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FEDERAL ON-SCENE COORDINATOR'S REPORT

FOR

**SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WEST VIRGINIA**

**CERCLA REMOVAL ACTION
December 28, 1984 through December 20, 1987**



**UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY**

100124

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

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In addition to this report, information relating to the following areas are available in the site file which is maintained at U.S. EPA Region III, Philadelphia, Pennsylvania:

- A. Site Safety Protocol
- B. Sampling and Measuring Plan
- C. Air Monitoring Plan
- D. Disposal Options
- E. OHM Solvent Extraction Bench and Pilot Scale Tests
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FACTS SHEET

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REGION III
CERCLA EMERGENCY RESPONSE/IMMEDIATE REMOVAL ACTION

PROJECT #75

FACTS SHEET

SITE: Shaffer Equipment

SIZE: 1 acre

LOCATION: Minden, Fayette County, West Virginia

APPROVAL DATE: December 26, 1984

PROJECT DATES: December 28, 1984 through December 20, 1987

DESCRIPTION: The Shaffer Equipment Company was an operating firm that built electrical substations for the local coal mining industry. The company's past practices involved the storage of unneeded, damaged or outdated transformers and capacitors. Leakage from these units and associated storage practices appears to have been responsible for the severe PCB contamination on site. The high concentrate of PCB's on site and the evidence of off-site migration necessitated a removal action.

HAZARDOUS MATERIAL: Polychlorinated Biphenyls (PCBs)

QUANTITIES REMOVED: 23 drums capacitors, 24 drums transformer fluid, 32 drums transformer flush, 31 transformers, 50 drums solids, 4 drums coagulant, 9 drums PCB-contaminated liquid; 4735 tons PCB-contaminated soil

OSC: Robert E. Caron

REMOVAL CONTRACTOR: O.H. Materials, Inc.

DISPOSAL LOCATIONS: General Electric, Philadelphia, PA; CECOS, Model City, NY; Chem Waste Management, Emelle, AL; SCA Chemical Services, Chicago, IL

PROJECT CEILING: \$3,651,100

PROJECT COST: \$3,755,447* (Estimated)

COMMENTS: New innovative technology was instituted at this site under Research and Development permits through TSCA. However, the extraction process proved ineffective and the PCB-contaminated soil was ultimately landfilled at an approved facility.


Robert E. Caron, Sr. OSC

*Due to the long duration of this cleanup and the methods utilized in estimating ongoing expenditures, costs for this removal exceeded the total project ceiling.

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FOREWORD

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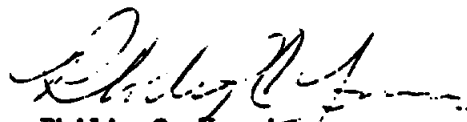
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FOREWORD

This report is submitted in accordance with procedures outlined in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The primary objective of the Plan is to provide a coordinated Federal response capability at the scene of an unplanned or sudden discharge of oil or hazardous substances that poses a threat to the public health or the environment. In addition, the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, promote a coordinated Federal, State and local response to mitigate situations at hazardous waste sites which pose an imminent hazard to public health. Conditions at the Shaffer Equipment Site presented a significant risk of harm providing a legal basis for Federal response activities. The provisions of the NCP were implemented by the Environmental Protection Agency, Region III, Philadelphia, Pennsylvania.

Special thanks are extended to those many participants in this federal removal activity. The team effort on scene enabled an efficient mitigation of the threats posed by this site.

Robert E. Caron
Sr. On-Scene Coordinator
U.S. EPA Region III
Philadelphia, Pennsylvania


Philip C. Younis
On-Scene Coordinator
U.S. EPA Region III
Philadelphia, Pennsylvania

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SECTION I
INTRODUCTION

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Shaffer Equipment Site
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I. INTRODUCTION

A. Nature of the Site/Initial Situation

The Shaffer Equipment Company was an active facility engaged in constructing electrical substations for the local coal mining industry. The substations incorporated various types and sizes of transformers, capacitors, switches and other related voltage regulation/distribution devices. The company went into business in 1970 and since that time the storage of non-essential, damaged or outdated transformers and capacitors were stored on the one-acre plant site.

Mr. Leroy Gilbert, a West Virginia Department of Natural Resources (WVDNR) inspector, visited the site in the latter part of September 1984. During his initial inspection WVDNR Gilbert observed several hundred transformers and capacitors in close proximity to the small coal camp of Minden, West Virginia. A four-point composite sample and a grab sample from the drainage ditch to Arbuckle Creek were collected. The sample results demonstrated polychlorinated biphenyl (PCB) concentrations of 26,749 parts per million (ppm) and 1,136 ppm, respectively.

EPA and TAT performed a preliminary site assessment on October 3, 1984. Eight soil/sediment samples were obtained and sample results for PCB ranged from a low of 3.0 ppm to over 20,000 ppm PCBs. Additional sampling was conducted on November 1, 1984 to more fully characterize the site. During this sampling, 105 samples were obtained from baseline stations, core samples, runoff ditches and Arbuckle Creek. Laboratory results ranged from less than 1 ppm to greater than 200,000 ppm PCBs. Graphic analysis of the data points revealed the presence of several "hot" spots of PCB contamination on site. During the site assessment, approximately 150 transformers and 50 capacitors were observed. Most of the capacitors were resting on their side, several of which had broken insulators with surrounding heavy oil spillage evident. Documentation from transformer face/name plates recorded labels such as "chlorextol" and "pyranol" which are indicative of PCB-containing transformer fluids.

PCBs were demonstrated to be migrating from the site into Arbuckle Creek and PCB concentrations up to 190 ppm were found in creek sediments. Research data indicated that PCB contamination is acutely toxic to freshwater aquatic life at levels in excess of 2 parts per billion (ppb). PCBs also have been shown to bioaccumulate within the food chain and present a danger to human populations. Consequently, OSC Robert E. Caron submitted a funding request to initiate removal actions at the Shaffer Equipment Company. This report describes activities at the site during removal operations.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
INTRODUCTION (continued)

B. Site Location

The Shaffer Equipment Company was located on WV Route 17 in Minden, Fayette County, West Virginia, a small coal town of approximately 2000 inhabitants. The site consisted of approximately one acre and contained a single building that was used as a workshop/warehouse and an office. The topography was such that the site was located in a valley bottom surrounded by hills in all directions. The immediate site was relatively flat and sloped toward the west. Arbuckle Creek was downgradient and to the west and had been found to contain PCB-contaminated sediments.

An estimated 65 to 75 people resided within 1/8 of a mile of the site. Populations with the highest potential risk could be found as close as 100 feet from the site's perimeter. Local residents also used the site as a thoroughfare and a playground for recreational activities, including motorcycling.

Downstream residences were of concern due to the demonstrated PCB migration into Arbuckle Creek and the past history of occasional flooding of the creek. The immediate threat to these potentially exposed populations was via direct contact with PCB contamination.

C. Efforts to Obtain Cleanup by Potential Responsible Parties

Following approval of the funding request, OSC Caron issued verbal notice to potential responsible party, Shaffer Equipment Company, on December 28, 1984 in an effort to obtain a voluntary cleanup action. The company responded that they did not possess sufficient funds or resources to enable them to provide a timely and efficient cleanup. The company did acknowledge and approve of all EPA activities required to clean up the site.

Continuing research efforts by EPA CERCLA Removal Enforcement Section (CRES) revealed that the Berwind Land Company owned part of the property known as the Shaffer Equipment Site. The OSC, under advice and guidance of EPA Headquarters, issued verbal notice to the Berwind Land Company on January 3, 1985, followed by written notice dated January 15, 1985, to clean up their section of the contaminated property. A return letter dated February 7, 1985 from Berwind denied responsibility. In addition, several questions arose as property deeds were vague and unclear. On February 26, 1985, the Berwind Land Company property was surveyed by Ben-Bob Surveyors to delineate the actual extent of their land. After the survey, Berwind indicated that since EPA was already involved in the removal action, that it would be most cost effective and reasonable to allow EPA to complete the entire cleanup.

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SECTION II

ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS

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II. () CENTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS () after Equipment Site, Minden, Fayette County, WV

A. Names and Addresses

NAMES AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
U.S. EPA - Region III Emergency Response Section 841 Chestnut Building Philadelphia, PA 19107 (215) 597-9800	Thomas I. Massey, Chief Robert E. Caron Phillip C. Younis	Provided advice and guidance on major site decisions, including enforcement issues. Federal On-Scene Coordinators; responsible for the overall success and coordination of the project.
U.S. EPA - Region III Emergency Response Section 303 Methodist Building Wheeling, WV 26003 (304) 233-9831	Benton M. Wilmoth Paula J. Curtin	OSC notified of site conditions and directed TAT to perform assessments. Field Administrative Specialist, provided on-site assistance to the OSC.
U.S. EPA - Region III 841 Chestnut Building Philadelphia, PA 19107	Robert Chadwick Raymond Germann Diane Shott Robin Aitken Kermit Rader	Office of Public Affairs; coordinated press releases and addressed media and resident concerns. Enforcement Section; conducted record review and PRP contact.
(215) 597-9800	Colleen Carruthers	Office of Regional Counsel; coordinated all legal activities.
U.S. EPA Headquarters 401 M Street S.W. Washington, DC 20460 (202) 382-2188	Timothy Farris	Emergency Response Division; advised OSC on concerns regarding moving of water lines. Contracts Office; advised OSC on contractual issues.
U.S. EPA Environmental Response Team GSA Raritan Depot #10 Edison, NJ 08817 (201) 321-6746	Dr. Joseph Laforana Robert W. Cibulskis Andre Zownir	Provided scientific support, disposal feasibility and computer coordination.
U.S. Coast Guard/Atlantic Strike Team Elizabeth City, NC 27909 (919) 338-1100	DCC Douglas P. Fox DC2 William Perkins DC1 James W. Snyder DC3 Jerry Montgomery	Provided site safety, cost tracking, site documentation and contractor monitoring.
Centers for Disease Control/Agency for Toxic Substances and Disease Registry 841 Chestnut Building Philadelphia, PA 19107 (215) 597-9800	Dr. Frank Mitchell Charles Walters	MKI M.D. Baillargeon Provided health advisory regarding effects of PCB contamination.
West Virginia Department of Natural Resources 1201 Greenbriar Street Charleston, WV 25311 (304) 348-5935	Ron Shipley Pamela Hayes Leroy Gilbert Bill Moreson Steve Wright	Coordinated state concerns. Performed initial site assessment. Assisted in obtaining assessment samples.

ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS, Shaffer Equipment Site, Hinden, Fayette County, WV (continued)

NAMES AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
West Virginia Department of Natural Resources 28-B Rufner Avenue Charleston, WV 25311 (304) 348-7861	Kimberly Petty	State public affairs liaison.
West Virginia Department of Health 1800 Washington Street East Charleston, WV 25305 (304) 348-2971	Dr. Abdul Qasi Loretta Hatti James Hodges	Coordinated state health concerns; concurred health threat at the site. Arranged for water line permit.
Fayette County Health Department 202 Church Street Fayetteville, WV (304) 574-1617	Clarence Christian	Coordinated state health advisory issues.
Oak Hill Volunteer Fire Department Oak Hill, WV 25901 (304) 465-5100		Provided emergency fire protection.
Roy F. Weston, Inc., SPER Division Technical Assistance Team 53 Haddonfield Road, Suite #306 Cherry Hill, NJ 08002 (609) 482-0222	Michelle Lange Mrinal Biswas Garrett Arai Lynne Neveling David E. Bute, Sr. Linda Ziegler	Provided photographic and site activities documentation, cost tracking, air monitoring, contractor monitoring; developed disposal alternatives feasibility.
O.H. Materials, Inc. P.O. Box 551 Findlay, OH 45839-0551 (419) 423-3526	Gary Rosenberg and Lloyd Stauffer, Project Managers Sam Ingalaca	Joseph Carter Provided manpower and equipment necessary to conduct project; coordinated subcontractors.
Kenneth M. Dunn Company, Inc. P.O. Box 9367 South Charleston, WV 25309 (304) 727-2271	Nelson Striegel	Subcontractor for water line installation.
Minden Red Dog Sales, Inc. P.O. Box 1703 Oak Hill, WV 25901 (304) 465-0462	Jerry Keffer	Subcontractor who provided backfill material and clay.
Martel Laboratories 1025 Cromwell Bridge Road Baltimore, MD 21204 (301) 825-7790	Joseph Wolfkill	Provided laboratory analysis.

ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS, Shaffer Equipment Site, Minden, Fayette County, WV (continued)

NAMES AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
Cabot Corporation P.O. Box 490 Oak Hill, WV 25901 (304) 465-5677	Fred Warner	Provided gas service to site.
Ben-Bob Surveying 149 Markin Avenue Oak Hill, WV 25901	Bob Blackburn, Surveyor	Surveyed site for property ownership.
Arbuckle Public Service P.O. Box 369 Minden, WV 25879 (304) 465-8600	George Shuff	Provided water line specifications.
Beckley Stone Company P.O. Box 1284 Beckley, WV 25801 (304) 877-5563	Eddie Treadway	Subcontractor who provided stone.
Concrete Supply Company Oak Hill, WV 25901 (304) 465-5581		Concrete subcontractor.
Southern Chemical Company P.O. Box 1192, 1565 Hansford Street Charleston, WV 25324 (304) 342-0148		Subcontractor who provided caustic soda and muriatic acid.
General Electric Company 1040 E. Erie Avenue Philadelphia, PA		Disposal facility for transformers, capacitors, transformer fluid and transformer flush.
CECOS International 2321 Kenmore Avenue Buffalo, NY 14207 (716) 873-4200		Disposal facility for 5 transformers.
SCA Chemical Services (Home Office) 107 Albert Avenue Newark, NJ 07105 (201) 465-9100		Nine drums PCB-contaminated liquid disposed at SCA Chicago facility.

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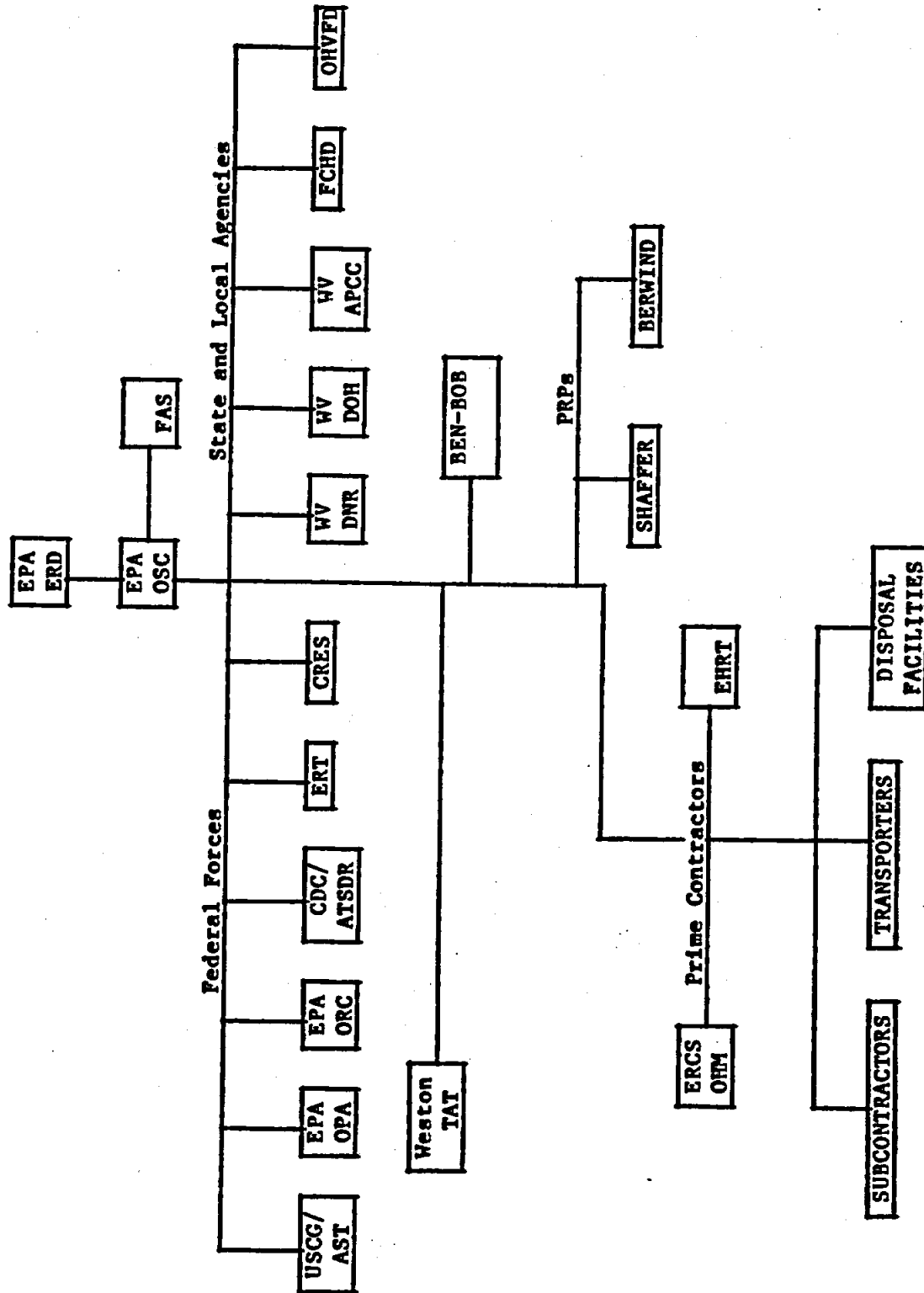
ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS, Shaffer Equipment Site, Minden, Fayette County, WV (continued)

NAMES AND ADDRESSES	CONTACT	DESCRIPTION OF DUTIES
S&J Transportation P.O. Box 91 Woodstown, NJ 08098 (800) 424-9300	Carlton Johnson	Transportation
Drennen Excavating 4006 Rogers Street Oak Hill, WV 25901 (304) 469-9564	Junior Drennen	Provided heavy equipment rental.
Modern Office Systems Jefferson Road Plaza South Charleston, WV 25303 (800) 642-1317		Provided office copier rental.
Shaffer Equipment Company P.O. Box 310 Minden, WV 25879 (304) 469-3381	Mrs. Anna Shaffer, property owner Robert W. Maynor, General Manager	Potential responsible party.
Berwind Land Development 1150 One Valley Square Charlestown, WV 25301 (304) 346-0569	David T. Stemple, President	Potential responsible party.
Wills Trucking, Inc. 3319 St. Lawrence Drive Toledo, OH 43605 (800) 722-0336	William Mobley	ERCS subcontractor; transported PCB-contaminated soil to disposal facility.
Dart Trucking Company P.O. Box 89, 61 Railroad Street Danfield, OH 44406 (216) 533-9841	Bill McCluskey	ERCS subcontractor; transported PCB-contaminated soil to disposal facility.
Chemical Waste Management, Inc. Alabama Highway #17 Emelle, AL 35459 (205) 652-9721		Final disposal facility for PCB-contaminated soil.

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Shaffer Equipment Site
 Federal On-Scene Coordinator's Report
 ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS (continued)

B. Organization of the Response



Shaffer Equipment Site
Federal On-Scene Coordinator's Report
ROSTER OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS (continued)

C. Glossary of Abbreviations

<u>Abbreviation</u>	<u>Definition</u>
ATSDR	Agency for Toxic Substances and Disease Registry
BEN-BOB	Ben-Bob Surveyors
BERWIND	Berwind Land Development Corp.
CCSP	Concerned Citizens to Save the Plateau
CDC	Centers for Disease Control
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COB	Close of business
CRES	EPA CERCLA Removal Enforcement Section
CWM	Chemical Waste Management, Inc.
EHRT	Environmental Health Research and Testing, Inc.
EPA	U.S. Environmental Protection Agency
EPA ERD	EPA Emergency Response Division
EPA OPA	EPA Office of Public Affairs
EPA ORC	EPA Office of Regional Counsel
ERCS	Emergency Response Contract Services
ERT	EPA Environmental Response Team
FCHD	Fayette County Health Department
FOIA	Freedom of Information Act
G.E.	General Electric Company
NCP	National Oil and Hazardous Substances Contingency Plan
OHM	O.H. Materials, Inc.
OHVFD	Oak Hill Volunteer Fire Department
OSC	EPA On-Scene Coordinator
PCBs	Polychlorinated Biphenyls
PPB	Parts per billion
PPM	Parts per million
PRP	Potential Responsible Party
RCMS	Removal Cost Management System
RM	OHM Response Manager
SHAFFER	Shaffer Equipment Company
TAT	Roy F. Weston, Inc., Technical Assistance Team
TSCA	Toxic Substances Control Act
USCG/AST	U.S. Coast Guard Atlantic Strike Team
WVAPCC	West Virginia Air Pollution Control Commission
WVDNR	West Virginia Department of Natural Resources
WVDOH	West Virginia Department of Health

SECTION III
NARRATIVE OF EVENTS

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Shaffer Equipment Site
Federal On-Scene Coordinator's Report

III. NARRATIVE OF EVENTS

Conditions at the site were originally discovered during a random inspection conducted in late September of 1984 by Leroy Gilbert, an inspector for the West Virginia Department of Natural Resources. His inspection revealed a large number of transformers, capacitors, switches and drums strewn throughout the Shaffer Equipment Company Site. He also noted that there were several locations on the property that were stained with oil. A composite sample of the property surface soils and a sample of the drainage ditch leading to Arbuckle Creek were collected. Sample results revealed very high concentrations of PCBs in these locations.

In October and November of 1984, under the direction of OSC Benton Wilmoth, TAT performed site assessments. Results of soil and sediment samples taken during these assessments were used to characterize the site. In addition, it was noted that several of the capacitors had broken insulators leaving heavy oil spillage in their vicinity. The actual area of contamination was demonstrated to be approximately 1.1 acre in size, located directly behind the main office and warehouse building of the Shaffer Equipment Company and owned by two separate parties, Berwind Land Company and Shaffer Equipment Company.

Runoff ditch samples and creek samples revealed significant concentrations of PCBs migrating off site via surface runoff to Arbuckle Creek. Some of the drums were sampled and PCB contamination was found in their oily contents.

Upon confirmation of threats posed by the site, OSC Caron, who was assigned the site due to other Regional commitments of OSC Wilmoth, prepared a funding request that was approved by the Regional Administrator on December 26, 1984. In the interim, both property owners (potential responsible parties) Berwind Land and Mrs. Anna Shaffer, were issued verbal notice, but declined to take responsibility for cleanup.

Initial site activities beginning December 28, 1984 included the rerouting of underground water lines, draining transformers and drumming fluids, flushing transformers and drumming flush, and drumming capacitors. All drummed materials were disposed of at the G.E. facility in Philadelphia, Pennsylvania on February 19, 1985. Further activities entailed the construction of a clay-lined staging pad for stockpiling contaminated soils subsequently removed from the Berwind Land and Shaffer Equipment properties and the construction of a concrete decontamination pad. Two runoff containment ponds (12,000 gallons and 50,000 gallons) were established and a concrete underflow dam was constructed to prevent off-site runoff of contamination.

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Shaffer Equipment Site
Federal On-Scene Coordinator's Report
NARRATIVE OF EVENTS (continued)

Following determination of division of property ownership between the Shaffer Equipment Company and Berwind Land, soil excavation activities began on the Berwind property on February 28, 1985. Volume of excavated soil from Berwind property was determined and then transferred into the clay-lined staging pad along with excavated soil from the Shaffer Equipment property. Excavated areas were sampled to ensure effective PCB removal.

Runoff water collected in containment ponds was allowed to settle and then was clarified. Flocculation testing verified PCB removal effectiveness. Sludges that remained were transferred from the containment pools onto the waste pile. At the close of this phase of operations, the waste pile volume was an estimated 4366 cubic yards. The pile was covered with visqueen/geo-tech to prevent migration of contaminants and the site was temporarily demobilized on March 27, 1985 while alternative options were considered for disposal.

OSC Caron conferred with numerous Program elements, including ERS Chief Massey, DPO Jarvela, ERT Zownir and OHM Research and Development, in determining that the most effective alternative disposal option was solvent extraction; a technology developed by DuPont. Meetings were held to designate both EPA and OHM responsibilities in research and development of the extraction process.

A TAT windshield inspection of site stabilization performed on May 7, 1985 marked the remobilization to the site, followed by the connection of electrical power and the arrival of the ERCS mobile laboratory. By May 28, 1985, ERCS began soil extraction testing by trying different mixtures of freon and methanol in the contactor. Testing continued through the summer and on September 27, 1985, the extraction unit, methanol dryer, methanol storage tankers and decontamination trailer were mobilized to the site and the assembling of the actual process system commenced.

During this time, members of a local citizens' group, Concerned Citizens to Save the Plateau (CCSP), were on site under the Freedom of Information Act (FOIA) to review and copy site files. Concern was expressed regarding health hazards associated with PCB contamination. Delays were incurred due to contract pricing issues with OHM, air emissions concerns, awaiting the approval of increased funding, and problems with the process system itself.

On October 25, 1985, methanol was introduced into the system. Fire fighting equipment was on standby at all times and an air monitoring plan was instituted. Over the next few weeks, system startup was plagued with clogs and

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Shaffer Equipment Site
Federal On-Scene Coordinator's Report
NARRATIVE OF EVENTS (continued)

breakdowns until on November 7, 1985 PCB-contaminated soil was introduced into the system. However, again the system became clogged and OSC Caron informed ERCS that full-scale, 24-hour PCB treatment had to occur by the week of 11/11/85 in order for the project to continue. Initial runs were successful with PCB reduction of 98%, with a 10 ppm output. Startup of 24-hour PCB treatment resulted in further breakdowns which hampered processing. On November 21, 1985, after close coordination with EPA Contracting Officer, OSC Caron directed ERCS to decontaminate, demobilize and stabilize the site as the deadline for full-scale treatment had not been met as per contractual agreement.

During the months that followed, OSC Caron was faced with formulating options for the disposal of the waste pile that remained on site as well as contractual issues with OHM that related to cost tracking and expenses incurred during operation of the extraction system. In addition, CCSP and other local citizens were concerned over the remaining contamination and made demands for health surveys to be conducted of the area residents. OSC Caron attended many meetings to address these situations.

On April 4, 1986, a meeting held with EPA Procurement, EPA/ERD and Region III determined that a competitive contracting mechanism would be used to dispose of the waste pile and further renegotiations with OHM on contractual issues would cease. Also on this date, OSC Caron prepared a scope of work to dispose of the PCB-contaminated waste pile in an approved landfill and perform site restoration.

Remobilization to the site on October 6, 1986 resulted in the ultimate removal of 50 drums of solids and 4 drums of coagulant at Chem Waste Management, Emelle, AL on January 14, 1987 and 9 remaining drums of PCB-contaminated liquid at SCA Chemical Services in Chicago, IL on February 18, 1987.

Removal of the waste pile began on September 15, 1987 with the removal of 10 truckloads and ended on November 11, 1987 when the final 3 truckloads departed the site. All 213 truckloads removed (4735 tons) were transported to Chem Waste Management, Emelle, AL for final disposal.

Site restoration included demolition of the underflow dam and decontamination pad with subsequent crushing of concrete to be used as site backfill. In addition, the Shaffer office building was restored, site roads were filled with stone and graded, flood control measures were implemented, containment ponds were backfilled, and the entire site was graded. On December 20, 1987, all removal operations were accomplished and the site was declared completed.

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SECTION IV
RESOURCES COMMITTED

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

IV. RESOURCES COMMITTED

A. Funding Requests

To mitigate the threat of PCB contamination posed by the Shaffer Equipment Site, the Regional Administrator approved CERCLA funds in the amount of \$175,000 to commence removal actions. During the course of the removal, additional funding was necessary to continue activities to successfully complete this action. Ultimately, a total project ceiling of \$3,651,100 was approved.

C. Estimated Total Cost Summary

1. Extramural

A. ERCS (O.H. Materials)	\$3,451,205
B. WESTON TAT	94,506
C. USCG	65,329
Extramural Subtotal	\$3,611,040

2. Intramural

A. EPA Direct	\$ 52,149
B. EPA Indirect	81,381
C. EPA HQ	10,877
Intramural Subtotal	\$ 144,407

TOTAL ESTIMATED PROJECT COSTS	\$3,755,447
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NOTE: Due to the long duration of this cleanup and the methods utilized in estimating ongoing expenditures, costs for this removal exceeded the total project ceiling.

SECTION V
EFFECTIVENESS OF THE REMOVAL

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V. EFFECTIVENESS OF THE CLEANUP

A. Activities of Various Agencies

1. Potential Responsible Parties

Potential responsible parties, Shaffer Equipment Company and Berwind Land Company, were both issued verbal notice by OSC Caron, but declined to take action to clean up the site.

2. Federal Agencies

The U.S. Environmental Protection Agency (EPA) Region III conducted the removal effort under the CERCLA law of 1980. Robert E. Caron was the Federal On-Scene Coordinator (OSC) for the project, responsible for the coordination of the cleanup effort. The OSC had authority over all on-site activities.

EPA's Environmental Response Team (ERT) was on scene to provide technical advice to the OSC regarding air monitoring, process monitoring, contingency planning and particulate control measures. ERT also assisted with problems encountered with the computer systems/programs utilized on site.

EPA Office of Public Affairs (OPA) coordinated press releases and conferences and coordinated citizens' concerns through a door-to-door campaign.

EPA Headquarters Contracting Office was a liaison between O.H. Materials (OHM) management and the OSC concerning the ERCS contracting mechanism being utilized in the implementation of new technology for the cleanup. EPA Contracting Office also renegotiated startup costs with OHM.

The U.S. Coast Guard National Strike Force was on scene to provide contractor monitoring, air monitoring, communications equipment, site safety protocol enforcement, documentation and fire fighting expertise. Present were primarily members of the Atlantic Strike Team, assisted by members of the Pacific and Gulf Strike Teams. Some Strike Team personnel were qualified Emergency Medical Technicians that provided first aid for on-site injuries.

The Centers for Disease Control (CDC), Agency for Toxic Substances and Disease Registry (ATSDR) set action levels for methanol release off site and coordinated health concerns/action levels relating to PCB contamination off site.

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
EFFECTIVENESS OF THE CLEANUP (continued)

A. Activities of Various Agencies (continued)

3. State and Local Agencies

West Virginia Air Pollution Control Commission (WVAPCC) was concerned about particulate emissions from the process and was prepared to impose a Cease and Desist Order unless particulate control measures were implemented. OSC Caron complied with the request of WVAPCC.

The OSC requested assistance from West Virginia Department of Natural Resources (WVDNR) to participate in site activities. However, WVDNR had neither the personnel nor monetary resources to provide such assistance. Representatives visited the site occasionally and offered to provide assistance to EPA with WVAPCC. WVDNR also provided an inspector to request residents neighboring the site to cease burning trash during methanol operations.

The West Virginia Department of Health attended public meetings held by EPA. The OSC requested assistance from the Health Department in coordinating residents' health concerns, however, local citizens continued to seek independent health surveys.

The Oak Hill Volunteer Fire Department was on scene to participate in fire fighting drills. They also provided a radio for direct communication with the department in case of emergency and coordinated response with the OSC.

Minden Township representatives visited the site to be updated regarding site status and were prepared to assist in the unlikely event of an evacuation.

4. Contractors

Personnel from Roy F. WESTON, Inc./Spill Prevention and Emergency Response (SPER) Division Technical Assistance Team (TAT) were on scene to provide photographic and site activities documentation, cost tracking and air monitoring. TAT also developed a disposal alternatives feasibility study that was presented to the OSC, from which he based his choice of using PCB extraction. TAT members from the Region III office were present throughout the project, assisted by TAT members from Region VI during a peak workload period.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
EFFECTIVENESS OF THE CLEANUP (continued)

A. Activities of Various Agencies (continued)

4. Contractors (continued)

The prime contractor under the Emergency Removal Cleanup Services (ERCS) mechanism was O.H. Materials, Inc. (OHM). OHM performed bench and pilot scale tests on the extraction process, from which the design of the treatment system was based. The treatment system was fabricated on site. OHM provided personnel, services and materials necessary to the project activities, including soil excavation and materials disposal. In addition, OHM coordinated a large number of subcontractors. A mobile laboratory was also on scene during solvent extraction process operations for quick analysis turnaround.

B. Analytical Synopsis

During all phases of this project, extensive on- and off-site sampling for PCB contamination was conducted. Analytical results were used to verify cleanliness following PCB-contaminated soil excavation and to determine the extent of PCB contamination.

Due to the large volume of analytical results generated as a result of this site, hard copies have not been included as part of this report. However, these results are kept in the site file which is maintained at the EPA Region III Philadelphia, PA office, and copies are available upon request.

C. Disposal Methods and Quantities Removed

Transformers containing PCB oil were drained and flushed resulting in the removal of 23 drums of capacitors, 24 drums of transformer fluid, 32 drums of transformer flush and 26 transformers to the General Electric facility in Philadelphia, PA on February 19, 1985. Five additional transformers were removed to CECOS in Model City, NY on March 25, 1988.

During the excavation phase of the removal, 205,150 gallons of runoff water were discharged into Arbuckle Creek as of March 22, 1985 after flocculation testing verified PCB removal effectiveness.

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EFFECTIVENESS OF THE CLEANUP (continued)

C. Disposal Methods and Quantities Removed (continued)

Final phase removal operations included the transport of 50 drums of solids (site debris, protective clothing, pool liners) and 4 drums of coagulant to Chem Waste Management, Emelle, AL on January 14, 1987, and the transport of 9 remaining drums of PCB-contaminated liquid to SCA Chemical Services, Chicago, IL on February 18, 1987.

Waste pile removal commenced on September 15, 1987 and was completed on November 11, 1987 with a total of 213 truckloads (4735 tons) transported to Chem Waste Management, Emelle, AL.

Manifests covering the aforementioned transportation and disposal activities are kept in the site file which is maintained at the U.S. EPA Region III, Philadelphia, PA, office and copies are available upon request.

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SECTION VI
CHRONOLOGY OF EVENTS

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VI. CHRONOLOGY OF EVENTS

The following is a summary of key events taking place during Shaffer Equipment Removal Action.

09/20/84 WVDNR reported conditions at the Shaffer Equipment Company site to EPA Region III OSC Benton Wilmoth. This resulted from the discovery of the site by WVDNR Gilbert's findings of high levels of PCB contamination at the site.

10/03/84 TAT and WVDNR conducted a preliminary site assessment that confirmed high levels of PCB contamination.

11/01/84 TAT and WVDNR conducted soil and sediment sampling; total of 105 samples taken.

11/20/84 OSC Robert E. Caron assigned to the site due to heavy work load of Wheeling OSCs.

11/23/84 Verbal preliminary data received by OSC confirming previous preliminary findings of a severe PCB contamination problem at this site.

OSC Caron began preparation of funding request.

11/27/84 OSC Caron received final data with quality control and complete site map showing surveyed PCB hot spots. Package was submitted to CDC and WVDNR for review and comment.

12/06/84 A meeting was held between OSC Caron, TAT, CRES, WVDNR, WVDOH, and WV Public Affairs regarding sample results and pending funding request.

OSC and TAT conducted an additional site assessment including drum sampling. Approximately 20 drums containing sodium nitrate were located on site and it was found that a sewer line was running directly through the property.

CRES Diane Shott conducted property/title search indicating that a portion of the property may be owned by Berwind Land Development Corporation of West Virginia; CRES began efforts to verify this.

OSC Caron and CRES met with Mrs. Anna Shaffer, property owner. Mrs. Shaffer was very cooperative, but stated that she was financially unable to conduct a cleanup.

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CHRONOLOGY OF EVENTS (continued)

12/11/84 CDC and WVDNR officially certified that an immediate and significant threat to human health was presented by this site.

CRES verified ownership of a major portion of the contaminated property by Berwind Land. [REDACTED]
[REDACTED]
[REDACTED]

12/12/84 Funding request submitted into Regional chain of concurrence at 0930 hours this date.

12/13/84 [REDACTED]
[REDACTED]
[REDACTED] Berwind Land was requested to provide EPA with a deed to determine ownership. Funding request pending awaiting resolution of this issue.

12/17/84 OSC Caron contacted WVDNR Shipley and advised him that due to property ownership issue, a CERCLA 106 Order would not be appropriate at this time. Investigation would continue.

12/26/84 Regional Administrator approved funding request for \$175,000.

12/27/84 OSC Caron met with OPA, TAT, WVDNR, WV Public Affairs and WV Department of Highways at WVDNR office for briefing on proposed site operations.

12/28/84 ERCS mobilized at 0800 hours and placed temporary containment into existing runoff to ditch minimize off-site migration of PCB contamination due to surface runoff. ERCS also began installing snow fence to limit site access and alleviate direct contact threat.

OSC Caron gave verbal notice to property owner, Mrs. Shaffer, and Shaffer Equipment General Manager Robert Maynor at 0900 hours. Questions regarding ownership and deeds arose.

At 1300 hours, OSC met with Fayette County officials concerning site and PCB health threats.

01/02/85 USCG/AST on site and met with OSC Caron regarding upcoming site activities.

01/03/85 All equipment and personnel mobilized. A public meeting was held at 1900 hours by OSC, OPA Chadwick, USCG/AST, and WVDNR. WOAY TV interviewed OSC Caron and residents expressed concern regarding potential health problems. Media interest was very high.

Site safety plan developed by USCG/AST and TAT. USCG/AST assigned as Site Safety Officer.

Snow fence 40% completed.

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CHRONOLOGY OF EVENTS (continued)

01/04/85 ERCS erected small decontamination shed. ERCS staged all drums, transformers and junk metal in preparation for decontamination area and completed approximately 75% of transformer/capacitor and drum sampling.

TAT collected off-site soil and drinking water samples.

Media interest remained high; OSC updated local press and TV.

USCG/AST informed hospital emergency room staff of upcoming site activities. Sheriff's Department and fire department on site and received update and future plans.

01/05/85 ERCS excavated a diversion ditch to control surface runoff and continued sampling of transformers/drums. On- and off-site soil sampling continued.

OSC Caron and TAT performed a Level B entry to sample drums under direction of ERS Chief Massey. TAT tasked to investigate past history of stream flooding and possible impacted residential areas.

01/06/85 ERCS and TAT continued sampling transformers, capacitors, drums and soil. ERCS prepared for construction of runoff containment berms.

01/07/85 ERCS subcontractor delivered concrete and poured it into forms for underflow dams and ERCS completed their construction. While hammering a post into the ground, a 6-inch water main was ruptured interrupting water supply to approximately 50 homes for seven hours. Arbuckle Water Company replaced 20 feet of the line. OSC Caron was extremely concerned as to the lack of adequate mapping of water lines [REDACTED]
[REDACTED]

[REDACTED] Cabot Gas Company indicated their willingness to reroute their lines at no cost to EPA; however, Arbuckle Water Company was not financially able to reroute their lines.

01/08/85 Site was demobilized. OSC Caron verified that security was in place and dams were effectively controlling oily discharge.

01/11/85 At the direction of OSC Caron, TAT attended Arbuckle board meeting and discussed route of proposed water line and specifications for water system. Media interest was very high. OSC received calls from three local newspapers and TV.

TAT inspected site to ensure and verify the proper function of dams in controlling oily discharge.

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CHRONOLOGY OF EVENTS (continued)

01/18/85 OSC Caron advised by Shaffer General Manager Maynor that a people's justice committee had been formed and held a meeting this date at the Minden Public School. Major concerns included: 1) Excessive time taken to mitigate contamination problem; 2) concern over water supply; 3) demanded immediate attention.

TAT received sample data. G.E. agreed to accept to treat and dispose of PCB items.

01/25/85 Written notice sent to Berwind Land.

02/03/85 Two additional areas of possible PCB dumping were identified by Versar contractor hired by CRES. Versar also determined that Berwind owned approximately 1/2 acre of the site shown to contain PCB contamination over 50 ppm.

OSC activated ERT to assist with engineering for soil and stream excavation, provide QC review of data and assist with disposal options and alternatives.

02/06/85 ERCS received specifications for water line reroute.

OSC Caron requested ERT to investigate other disposal options besides incineration, including cost estimates.

02/07/85 In letter dated today, Berwind Land declined cleanup responsibility.

02/08/85 OSC Caron informed ERCS, WVDNR and PRP of remobilization scheduled for 02/11/85.

OSC, TAT, ERT and ERCS completed review of analytical data revealing PCB contamination in 27 transformers, 107 capacitors and one drum.

ERCS finalized disposal arrangements for above transformers and capacitors. G.E. facility in Philadelphia prime candidate to drain PCB oils for incineration.

02/11/85 OSC, TAT and Superfund Branch Chief Voltaggio met to discuss disposal options, including innovative technologies.

OSC completed additional funding request.

02/12/85 USCG/AST and ERCS mobilized on site.

02/13/85 Heavy snowfall hampered mobilization. ERCS began pumping transformer oil into drums.

TAT finalized alternatives for reroute of water line.

ERS Chief Massey advised OSC Caron of potential TSCA noncompliance of G.E. facility. OSC Caron directed ERCS to develop and seek approvals for three additional transformer/capacitor disposal locations.

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CHRONOLOGY OF EVENTS (continued)

02/14/85 OSC, TAT, and ERCS met with Arbuckle Water regarding rerouting of the water line. It was determined that the most expedient and cost effective alternative was to reroute the line to the other side of the stream. ERCS met with subcontractor (Dunn Engineering) to discuss specifications for water line rerouting.

ERCS emptied 15 transformers and began their transfer to overpacks.

02/15/85 ERCS emptied final 10 transformers; 25 to date.

Cabot Gas Corp. on scene to plot gas lines; none were reported to be in excavation area.

Following a meeting with OSC, TAT, ERCS, Dunn, Arbuckle Water, Cabot and Berwind Land regarding water line rerouting, ERCS began installation of the water line. During installation, a 2-inch gas line that did not appear in Cabot mapping was ruptured. Cabot repaired the line that had been service to a nearby abandoned home.

OSC Caron received approval from Region to dispose of PCB-contaminated fluids, transformers and capacitors at G.E. facility in Philadelphia.

OSC Caron received approval of a funding increase of \$625,000, raising the total project ceiling to \$800,000.

02/16/85 ERCS continued flushing transformers and installed 13 sections of water pipe. ERCS began packaging and labeling transformers and drums for shipment.

02/17/85 ERCS began moving scrap metal off site and continued flushing transformers. During trenching for water line installation, another water line was broken, interrupting service for two hours while water company repaired the line. OSC Caron requested the gas company to be on scene continuously during excavation and directed the mapping of all lines encountered.

02/18/85 ERCS prepared for disposal: 23 drums capacitors; 24 drums transformer fluid; 32 drums transformer flush; 29 transformers. ERCS assembled a 12-inch pump for use in stream diversion during water line installation.

02/19/85 ERCS crossed northern end of stream with water line. A 12-inch pump and 6-inch secondary pump were used to divert stream. ERCS loaded and transported 23 drums capacitors, 24 drums transformer fluid, 32 drums transformer flush and 26 transformers to G.E., Philadelphia.

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CHRONOLOGY OF EVENTS (continued)

02/20/85 ERCS installed northern connection of water line to existing line.

OSC Caron provided briefing to Berwind Land representative; CRES present.

A public meeting was held at 1900 hours with EPA OPA, WVDNR, WVDOH, and City Health in attendance. OSC Caron updated the citizens of the site status and fielded questions from the audience.

ERT Bob Cibulskis on scene for the first official test of the field micro computer system.

02/21/85 Berwind Land on scene to discuss property survey, easement, responsibilities and removal criteria.

Permit request for water line installation was sent to James Hodges of WVDOH.

ERCS installed water line up to Arbuckle Creek in preparation for the southern stream crossing. Soil samples were collected and sent to ERT for innovative technology testing on a bench scale basis.

TAT completed disposal option report and submitted it to OSC Caron.

02/22/85 ERCS crossed southern end of stream. Stream flows were high due to sudden thaw requiring both stream pumping and diversion to effect crossing. ERCS began clearing area in preparation for staging pad.

02/23/85 Results of yard sampling were delivered to downstream residents. Verification sampling and further extent-of-contamination sampling were performed at downstream residences.

02/24/85 Wet nature of soil and restricted work space resulted in cross contamination of clean soil/clay layer undermining the site. Excavation activities ceased and runoff containment practices were instituted.

Stream was restored with minimal damage to stream and bank vegetation. Newly relocated water line was placed into service.

02/25/85 Concrete decontamination pad was poured.

Berwind Land on scene to survey property boundaries between Shaffer Equipment Company, Berwind Land Company and old railroad easement.

Oak Hill water supply was sampled for PCB analysis.

First holding pond (12,000 gallons) was filled with site runoff.

Arbuckle Water on scene for final inspection of installed water line.

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CHRONOLOGY OF EVENTS (continued)

02/26/85 Berwind Land property ownership established by Ben-Bob Surveyors, assisted by TAT.

Second holding pond was filled with accumulated site water runoff; decontamination pad was completed.

02/27/85 Ben-Bob delivered three copies of survey report to OSC. OSC Caron delivered a copy to Shaffer Equipment and Berwind Land. Berwind Land legal representative on scene to confer with OSC regarding stipulations of working on Berwind Land property:

- 1) Maintain separate volume of contaminated soil,
- 2) keep separate logs of expended time and materials,
- 3) Berwind representative to verify work and staging of separate contaminated piles.

02/28/85 Contaminated soil excavated and stockpiled at Berwind Land section of the site. Three composite soil samples were taken to verify cleanliness of the excavated area.

Flocculation tests performed on runoff water. Assembly of 50,000-gallon holding pond to be used after clarifier was completed.

03/01/85 Berwind Land on site to confirm quantity of separate pile of contaminated soil excavated on their property. Berwind Land was given a copy of all analytical data to date and a copy of all maps.

Staging cell area was cleared and all contaminated soils from the site were separated.

03/02/85 Runoff water was collected, settled and clarified.

Analysis results of Berwind Land samples indicated 4,500 ppm PCBs remaining in lower end of the excavation area.

03/03/85 ERCS rewrapped transformers and continued to treat site runoff.

03/04/85 Seven truckloads of clay for staging cell lining delivered and ERCS began construction of same.

An additional 6 inches of soil was excavated from Berwind Land hot spots. Two samples were collected from the excavated area.

03/05/85 ERCS continued staging cell construction with the delivery of 45 additional truckloads of clay. ERCS discharged 30,000 gallons of treated runoff water.

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CHRONOLOGY OF EVENTS (continued)

03/06/85 TAT met with WVDNR, WVDOH and County Health regarding analyses performed on and off site and discussed public health concerns.

ERCS completed spreading first layer of clay lining in the staging cell. The clay was layered with visqueen.

OSC Caron received additional analytical data on off-site sampling that revealed PCBs ranging from less than 1 ppm to 7 ppm in yards up to one mile downstream from the site. The Oak Hill water supply results indicated less than 1 ppb.

03/07/85 ERCS began transferring contaminated soils into the staging cell.

OSC Caron received analytical results on samples from Berwind Land excavated area showing 930 ppm and 1090 ppm PCBs. ERCS was directed to excavate this area to the clay layer. OSC Caron received verbal disposal approval from CECOS and Rollins for transformers, contaminated oil and contaminated soil.

Arbuckle Water installed a fire hydrant on the new water line.

03/08/85 ERCS continued to treat site runoff. Due to heavy rains, no excavation or staging of soils was performed. Operations ceased at 1230 hours with the exception of clarification.

03/09/85 ERCS completed additional excavation on Berwind Land property. A verification sample was obtained.

03/10/85 Red Dog, clay/backfill subcontractor, delivered 88 truckloads of material to date. Roadway where water line was installed (on Butch Britt property) was backfilled and graded.

Two uppermost portions of Berwind Land property were verified to be clean after excavation; then backfilled.

03/11/85 Rain hampered staging and excavating operations; OSC placed removal activity on standby until weather conditions permitted heavy equipment use. Water treatment was only ongoing activity.

03/15/85 Site remained on standby until this date when clay-lined staging cell preparation continued.

03/16/85 Staging cell preparation and contaminated soil staging continued.

Berwind Land composite sample results indicated 4.5 ppm PCBs verifying that contaminated soil had been properly excavated.

Three quarters of Berwind Land stockpile was transferred into the clay-lined staging cell along with Shaffer Equipment materials.

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CHRONOLOGY OF EVENTS (continued)

03/17/85 Berwind Land stockpile completely transferred into staging cell, thereby completing transferral of both stockpiles (Berwind/Shaffer). A composite sample was obtained from the Berwind Land property following removal of stockpile to verify cleanliness.

Treatment of runoff water continued.

03/18/85 Berwind Land property entirely backfilled. ERCS discharged 40,000 gallons of clarified water into Arbuckle Creek. Underflow dams discontinued. Last section of property was excavated and contaminated soil stockpiled.

WVDNR Pam Hayes on scene. OSC Caron provided site status update and future plans.

03/19/85 OSC Caron considered alternative disposal options; the best alternative appeared to be solvent extraction of soil technology developed by DuPont. OSC contacted EPA Contracts Paige Peck regarding future contract concerns. Contracts advised the OSC that ERCS subcontract mechanism would be appropriate to use.

WVDNR Leroy Gilbert on scene for project update.

03/20/85 Preparations were made to provide secure cover for stockpiled soils. Excavated areas for water line installation given final grade and were seeded to provide natural vegetation, sediment/erosion control. Total of 2251 cubic yards Red Dog backfill material utilized to date.

03/21/85 OSC Caron, ERS Chief Massey, DPO Steve Jarvela, ERT Zownir and ERCS met at OHM Findlay, Ohio office with OHM Insalaca, Ohneck, Stauffer and legal to discuss alternative disposal options. Results were that OHM would bench test and pilot test the solvent extraction process and bear the burden of costs associated with testing and assembling the extraction unit.

The site was given a final grade of all backfilled areas. Drainage ditch was graded for sediment stone filter placement and construction of an underflow dam began. Clay berm was completed around waste pile. Pool #1 (12,000 gallons sludge) was emptied, decontaminated, disassembled and staged for demobilization.

03/22/85 Stone was delivered for runoff ditch to trap sediments from the site. Sludges from pool #2 (50,000 gallons) and clarifier were pumped onto the waste pile.

03/23/85 Pool #2 was disassembled and decontaminated. Pool liners were drummed for disposal.

Grass seed was sown on the banks of Arbuckle Creek upstream where the ground had been churned by heavy equipment.

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CHRONOLOGY OF EVENTS (continued)

- 03/25/85 S&J Trucking on site to transport 5 transformers to CECOS in Buffalo, New York.
- Clarifier was emptied and cleaned. Waste pile was covered with visqueen and geo-tech fabric to stabilize it from the elements.
- 03/26/85 TAT estimated waste pile at 4366 cubic yards. Finalized visqueen/geo-tech waste pile cover. Stone was delivered and was spread on the Shaffer driveway to restore it.
- USCG/AST demobilized from the site.
- 03/27/85 Site was temporarily demobilized to await development of guidelines for the innovative alternative disposal option process.
- 04/01/85 [REDACTED]
[REDACTED]
[REDACTED]
- 04/07/85 OSC Caron interviewed by John Dean of Beckley Newspaper and explained that EPA was preparing to utilize DuPont technology to extract PCBs from soil for on-site destruction.
- 04/30/85 OSC Caron met with ERS Chief Massey, DPO Jarvela, OHM Research & Development and OHM operations personnel to review proposed soil extraction unit design. ERT Zownir and Cibulskis also reviewed design. It was agreed that OHM would bear all R&D costs to demonstrate feasibility and EPA would bear costs of operational support (backhoe, etc.).
- 05/07/85 TAT performed windshield inspection of site to ensure stabilization. TAT obtained six samples; 3 soil from the site and 3 water from Arbuckle Creek. OSC Caron, TAT and ERCS began preparations for bench scale and pilot scale activities of extraction process.
- 05/08/85 Electrical power arrangements made for lab and pilot scale equipment.
- OSC Caron was interviewed by local press.
- 05/09/85 The ERCS mobile laboratory arrived on site.
- 05/10/85 Electrical services were mounted on a utility pole and 400 amp power was installed. Inspector was on scene.
- 05/11/85 D.E. Williams (electrical contractor) installed 4 transformers on the pole and dropped lines to switch boxes.

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CHRONOLOGY OF EVENTS (continued)

05/13/85 Subpanels were fashioned from the main boxes to feed individual lines. Installation completed.

05/14/85 Mobile lab set up and made ready for R&D program.

05/15/85 OSC Caron met with DuPont representative Warren Steineker, ERT Zownir, and OHM Sam Insalaco, Matt McCluskey and Lloyd Stauffer to discuss R&D procedures.

Heavy rains prevented initial set up.

05/16/85 Excell personnel Larry Allen and Lloyd Watson on scene to review extraction process and obtain background of PCB-contaminated waste for R&D permitting of their molten salt destruction process. OSC Caron advised Excell that site-specific application and quantities would expedite the approval process.

Ten soil samples of the staged waste pile were taken for preliminary characterization of soil particle sizes and PCB concentrations.

ERCS sent confidentiality agreement to Weston Corporate for R&D process that commenced this date and eventual pilot scale and full scale systems implementation.

05/17/85 Site security was established.

Calibration of the pilot unit required minor modifications. Mobil lab performed preliminary soil analyses.

ERCS continued R&D. OSC and TAT departed site.

05/18/85 R&D continued.

05/19/85 R&D continued.

05/20/85 Confidentiality agreement arrived at Weston Corporate; for review. TAT returned to the site. R&D continued.

05/21/85 Results from two of the ten soil pile samples taken 5/16 revealed PCB concentrations ranging from 250 to 1500 ppm. Began drafting 6-month extension request. EPA Region IV and NUS FIT visited site.

05/22/85 R&D continued. Pending the patent of unit and solutions, all information relating to the analyses, equipment, retention times, excavation unit design, soil quantities remained OHM confidential information.

05/23/85 to 05/27/85 R&D continued; only site activity.

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CHRONOLOGY OF EVENTS (continued)

- 05/28/85 ERCS began soil extraction testing by trying different mixtures of freon and methanol in contactor.
- 05/29/85 ERCS performed 6 soil extraction runs in series; noted retention times, solutions, and soil moisture. TAT sent draft \$1-million exemption to OSC Caron in Philadelphia.
- 05/30/85 Extraction process continued testing solution mixtures. Problems occurred when soil particles stuck to the fins of the extractor and did not move through the unit. Analytical data was used to determine the best solutions and retention time.
- TAT performed air monitoring utilizing a photoionization detector (PID). No readings above background.
- 05/31/85 One run was passed through the system twice to check for leakage out of the solids into the solution and attempt to maximize solvent holding power. Runs in series of same soils were made to obtain higher PCB recovery percentages out of soil.
- 06/01/85 At 2100 hours, a car stopped along the road at the side of the mountain and the driver fired a shot at the operators of the extraction unit. State police and site security personnel implemented a patrol of the area during evening hours.
- Replicate runs of 50/50 freon/methanol were made reusing spent solutions and soils in each successive run in an effort to see if successive washes would extract more PCB from the solids into the solution and ultimately be almost free of PCB contamination. It was observed that fines seemed to settle to the bottom of the tank and did not move as well through the extractor. Fines were sampled from the bottom of the extractor and the effluent.
- 06/02/85 All information summarized from extraction unit testing to date was compared to determine optimum unit efficiency.
- 06/12/85 Concerned Citizens to Save the Plateau (CCSP) voiced concern over health of Minden citizens and demanded a cancer survey/screening and PCB blood serum screening. In response, a meeting was held in Charleston, WV attended by OSC Caron and CDC/ ATSDR Charles Walters. OSC Caron reminded the group that these concerns had been addressed in previous public meetings and that CDC and WVDOH had told them that levels in the residential area did not present a threat. OSC Caron strongly recommended that a meeting be held with CCSP to explain why a health study was not warranted to be followed up by a public meeting. WV Public Health Director Heydinger agreed.
- 07/01/85 Preparations for 7/2/85 public meeting finalized. OSC continued preparation of six-month and \$1-million exemption requests.

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CHRONOLOGY OF EVENTS (continued)

07/02/85 Two public meetings were held. The first was for the citizens' group and the second was a general public meeting. The main concern during both meetings was health effects in the community. The OSC addressed concerns with the assistance of CDC, WVDON, WVDNR and EPA/OPA representatives. The meetings were successful overall. The citizens continued to seek health studies and filed numerous information requests under Freedom of Information Act (FOIA). The OSC made his files available for public review [REDACTED]

08/15/85 The Regional Administrator approved both the six-month and million dollar exemption; new ceiling was \$2,300,000. The OSC alerted ERCS, EPA Contracts, WVDNR and EPA/ORC as to funding progress. EPA/HQ ERD Colleen Caruthers coordinated HQ concurrence chain to streamline HQ approvals.

08/20/85 The OSC received draft equipment and process diagrams from ERCS.

EPA/HQ ERD requested the OSC to make a presentation on the alternative on-site treatment.

08/26/85 The OSC presented information to HQ personnel on the alternative treatment system to enable rapid review and concurrence of the million dollar exemption by HQ personnel.

08/29/85 The million-dollar exemption for the use of the on-site PCB extraction system was approved by EPA/HQ Acting Assistant Administrator.

09/04/85 The OSC met with ERCS Contracting Officer Pat Flynn and Contracts Specialist Tim Ferris to discuss contract mechanism to be used. Since it was an emergency removal, it was decided to modify the existing delivery order. A statement of work was also developed to include a request for accurate cost information in order to allow negotiation of a rate for use of the treatment system.

09/16/85 The OSC, TAT, USCG/AST, EPA/OPA and WVDNR were on scene to discuss mobilization. TAT and USCG/AST began formulating contingency planning and standard operating procedures. ERCS prepared for on-site operations.

09/18/85 Through coordination with WVDNR regarding soil, water and air permitting aspects, the OSC established that permits through the State were not required for the solvent extraction process equipment or operational aspects.

Construction was begun on a three-foot flood contingency berm along the site border at Arbuckle Creek.

Computer Removal Cost Management System (RCMS) software arrived on scene to be utilized to track ERCS daily cost. Base year ERCS rates were utilized.

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CHRONOLOGY OF EVENTS (continued)

- 09/23/85 Construction of flood contingency berm was completed.
- 09/25/85 Concrete pads and contingency dikes were installed at the site in preparation of process equipment mobilization.
- 09/26/85 Methanol emergency operational codes were coordinated through CDC and off-site air monitoring plan was submitted to ERT for review.
- 09/27/85 The extraction unit, methanol dryer, methanol storage tankers and decontamination trailer were mobilized on site.

Site files were dressed in anticipation of FIOA requests. [REDACTED]
[REDACTED]

Larry Rose from Concerned Citizens to Save the Plateau (CCSP) was on scene to review the OSC site file under FOIA.

Due to the sensitivity surrounding billing and rates, the OSC decided to use EPA's computerized cost tracking system separate from ERCS. The OSC determined that only EPA-generated 1900-55 forms were to be signed after review and acceptance by ERCS Response Manager..

- 09/29/85 ERCS repaired fencing and installed gates for additional security.

CCSP Larry Rose again on scene to review OSC site file.

The OSC and ERT Zownir completed, at the request of EPA Contracts, a technical evaluation of process system to be used by Contracts in developing negotiating positions.

- 09/30/85 The OSC worked closely with EPA/OPA and WVDNR Public Affairs regarding a future major press release and community relations.

OSC Caron continued to provide input to EPA Contracts regarding EPA's negotiating position and use of base year vs option year ERCS billing rates. Due to issue sensitivity and project impact, OSC Caron pressed Contracts to settle the situation and remove him from Contracts issues that were not his responsibility.

- 10/01/85 EPA Contracts and ERCS determined that option year rather than base year billing rates would be used resulting in the reinput of dailies after the option year software disk was received.

A reporter from the Charleston Gazette was on scene to interview the OSC on site status.

Superfund expired. Removal activities continued under previously allocated Fiscal Year 1985 regional funding.

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CHRONOLOGY OF EVENTS (continued)

10/02/85 OHM received visitors on site which prompted the OSC to inform OHM management that the site was not to be used for marketing purposes without EPA's expressed permission.

The OSC coordinated with WV Air Pollution Control Commission (WVAPCC) representative Fred Sizemore regarding air pollution potential of the process. Mr. Sizemore agreed that if a letter were submitted by the OSC stating process particulars, a permit would not be needed.

10/03/85 A local resident on scene to speak with the OSC on project status.

Process equipment continued to be mobilized and assembled. Power capacity of the site was upgraded. Flood lights enabled work to continue past dusk. KBI/OHM representative Joe Kirk was on scene.

OSC Caron and ERCS RM held conference call with EPA Contracts (Tim Ferris) regarding problems in accessing additional funds. OSC and RM actively developed fallback positions should the project not be completely funded. OSC informed Region and HQ that Shaffer Equipment Site remained a threat and refused to become involved in reappropriation efforts.

OSC departed to the Regional Office COB due to other Regional commitments. The OSC rescheduled his visit with WVAPCC for 10/7/85 upon his return. USCG/AST acted as OSC during the OSC's absence.

10/04/85 TAT continued to rectify problems in the RCMS and eliminate backlog of 1900-55 input, coordinating same with and ERT.

Process assembly continued with welding and pipe fitting.

10/05/85 Mobile steam plant/boiler was mobilized and level sensors installation began.

Input of backlogged ERCS dailies into RCMS brought up to date.

10/07/85 Materials handling augers were delivered in a box trailer, which remained on scene as a storage trailer at no cost to the project.

A WVDNR representative was on scene for an update.

OSC Caron and TAT attended the monthly OES meeting in Charleston, WV to brief them on site progress. OSC also met with WVAPCC to discuss permit exemption and process particulars.

10/08/85 The mobile lab was set up and operational.

Process assembly and Contracts rates negotiations continued.

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CHRONOLOGY OF EVENTS (continued)

10/09/85 Augers and chutes installed for soil transport through the system.

Ten samples were obtained from the creek bed, surrounding background soils and contaminated soil to be analyzed by the mobile lab.

10/10/85 RCMS difficulties were coordinated by TAT through ERT. ERT instructed TAT and the OSC to submit a memo summarizing problems encountered with getting the system on line.

CCSP Larry Rose and Paul McGee on scene with their attorney to review site file under FOIA, but copies could not be made due to on-site power outage; arranged to return. During their visit, a conference call was held between CCSP, OSC Caron and EPA/OPA. CCSP was more positive toward EPA actions, but remained concerned over health issues. They were invited for a site tour on 10/15/85.

A press conference was scheduled for 10/16/85; Region and HQ personnel were invited to attend.

Transformers were relocated as a safety measure.

10/11/85 Two WVAPCC inspectors on scene and informed the OSC that the process required a discharge permit. OSC explained that the process was designed for zero discharge and cited 40 CFR Section 300.65 that exempts CERCLA removals from permit requirements but requires that health and environmental standards be upheld. A conference call was held between the OSC, WVAPCC and Superfund Branch Chief Voltaggio where it was agreed that the OSC was to submit a letter through Branch Chief Voltaggio to Director Carl Beard of WVAPCC certifying EPA's policy to meet and/or exceed technical requirements.

OSC Caron contacted ERT Zownir and requested his presence and/or input during process startup.

10/13/85 A memo was submitted to ERT Cibulskis listing problems encountered with RCMS.

OSC Caron and ERCS chemists developed a fast turnaround analysis program for the mobile lab. ERCS comments on the safety plan were reviewed by the OSC and site safety officer.

10/14/85 On-site activities consisted of the installation of a scrubber system on the water dryer steam discharge, transfer of 5000 gallons of methanol to a storage tank, installation of piping, insulation, mechanical, electrical, and leak testing.

Site safety plan revised to incorporate ERCS comments for upgrading. ERCS estimated costs to date exceeded \$1,000,000.

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CHRONOLOGY OF EVENTS (continued)

10/15/85 Process preparation completed. Fine-tuning continued and clean soil was used to test the system. Three of the four wind socks were installed per the air monitoring plan.

The permit exemption letter from the OSC to WVAFC Director Beard was hand delivered.

EPA/OPA Germann and ERT Zownir on scene to assist the OSC in conducting site visits by WVDNR, County Health and CCSP during demonstrations of process equipment with clean soil.

Oak Hill Volunteer Fire Department on scene to review emergency and contingency procedures with the OSC and site safety officer.

EPA/OPA issued a press release in anticipation of the on-site press conference scheduled for 10/16/85.

10/16/85 EPA Contracts informed the OSC that the negotiated rate for the extraction process was \$14,573 per day.

Press conference was held on site attended by several newspapers and area television stations, WVDNR, WVDOH and County Health Department.

A soil sample was obtained from a residential yard at the resident's request and submitted to the mobile lab for analysis.

Fire fighting equipment was set up and operational.

OSC and ERT reviewed ERCS operations and process monitoring plans

10/17/85 Two TV personnel interviewed OSC Caron prior to interviewing residents.

ERCS personnel assignments were issued for each function in unit/process operations to streamline training on equipment.

OSC Caron continued to rectify/certify both the ERCS and RCMS 1900-55 forms; however, controversy persisted regarding generation of two forms. OSC signed only those generated by EPA's system. As a result, OSC prepared memos to File, the Contracting Officer and ERT explaining the issue and requesting the C.O. to become involved.

Additional funding delay remained due to confusion between HQ Comptrollers Office and Regional Financial Management. OSC anticipated reaching a "go" or "no go" position by COB 10/21/85. OHM informed OSC of their concerns and financial commitments previously made prior to on-site work negotiated by Contracts for the life of the project. The OSC passed these concerns on to the C.O.

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CHRONOLOGY OF EVENTS (continued)

10/18/85 WVAPCC Director Beard met with OSC Caron to discuss several "faults" in EPA's extraction process. The meeting was prompted by a call to Beard from U.S. Senator Byrd as a result of television news films. Beard's main concerns, prompted by information presented by inspectors, were dust emissions produced by the loader unit missing the sorter, fines falling from the loader and conveyor, particulates from the sorter, and dusting from the staged soil pile. Beard stated he would not be satisfied with physical barriers around the Grizzly and suggested wetting the soil. OSC explained that water would create problems via contaminated runoff and reduced extraction efficiencies. OSC and Beard compromised on control measures, however, Beard stated that WVAPCC inspectors would inspect control measures, having a prepared cease and desist order in their possession, should the measures not meet set standards.

The OSC held a meeting at 2100 hours with ERCS management, TAT and USCG to discuss the results of the meeting with WVAPCC, field ideas, and relay consequences of noncompliance with WVAPCC regulations.

10/19/85 Implementation of particulate emissions controls began.

Additional problems encountered with RCMS were documented.

10/20/85 ERT was activated to provide advice and assistance to the OSC regarding particulate emission control.

Additional delays in getting system on line caused by breakdown of extractor kickplate to the methanol dryer and experimenting with particulate control measures. Several filtration systems were tried but dust emission from the water dryer steam discharge remained a problem. OSC was very concerned regarding startup problems, lack of progress, and their financial impact on the project. OSC Caron cited on-site deficiencies in ERCS performance, including possible lack of expertise in the particulate control field, equipment design flaws (i.e. dusting from the water dryer), uncoordinated effort and inefficient management due to several managers on site. OSC recommended that OHM streamline on-site management and directed OHM to reduce unnecessary personnel until design deficiencies were corrected. OSC stated that "go" or "no go" position would be reached on 10/24/85.

10/21/85 It was determined to use a clarifier for particulate control as tests indicated filtration to be unsuccessful. A chute was attached to the processed soil outlet to streamline and shelter the effluent.

Design of "scavenger" kickplate in the extractor was modified.

Construction began on walkways and catwalks to facilitate personnel movement and eliminate tripping hazards on site.

Particulate control plans received favorable response from WVAPCC.

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CHRONOLOGY OF EVENTS (continued)

- 10/21/85 Experiments with several filtration systems were unsuccessful in solving the particulate emission problem at the water dryer steam discharge. OSC met with OHM on-scene management to discuss additional options and settled on a clarifier to be on scene 10/22/85.
- 10/22/85 Scrubber and clarifier unit installed on the water dryer exhaust and tested to be successful.
- Two WVDNR personnel on scene for site status update. WVAPCC contacted OSC Caron for a progress update and projected schedule for the inspectors' visit.
- OSC Caron conferred with HQ Contracts Specialist Tim Ferris regarding use of two dailies on site. Ferris advised that since it is the contractor's responsibility to provide the OSC with dailies, the OSC must accept contractor-generated dailies. This resulted in the OSC, TAT and OHM reviewing and comparing both sets of dailies retroactive to 9/17/85, item by item, to ensure they matched. OSC Caron signed the forms generated by OHM, but decided to continue using the EPA cost tracking system to streamline an accessible data base for future reference (statistically, monetarily, legally, etc.) and to serve as a cross-checking tool.
- 10/23/85 Three representatives of WVDOH on site; supported EPA's ongoing efforts towards implementing innovative alternative technology.
- OSC requested Contracts personnel to be on scene to clarify site-specific issues and provide information regarding contractual agreements pertaining to the treatment system ("black box").
- Process testing and calibration continued with noncontaminated soil and water.
- 10/24/85 A formal safety meeting held to address specific methanol hazards, escape routes, contingencies and rally points prior to methanol introduction into the system. USCG/AST demonstrated a controlled methanol fire and the use of fire fighting equipment. Introduction of methanol was postponed due to heavy rains because in the rain, liquid leaks would be undetectable, workers would be endangered and air monitoring instruments would be damaged.
- 10/25/85 Methanol was introduced into the system. Leak testing repair was done in level B. When air readings determined the area safe, level of protection was downgraded to level D with escape packs per site safety plan; site air monitoring plan instituted. FID (OVA) proved more effective than the PID in response to methanol. It was decided that EPA would provide on-site air monitoring until OHM could obtain an OVA (a noncontract item for which a rate would have to be determined). No significant off-site air readings were obtained.

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CHRONOLOGY OF EVENTS (continued)

10/25/85 It was discovered that in addition to controlling dust, water was effective in reducing methanol vapors, particularly on the soil discharge pad. The OSC contacted WVAPCC and arranged for the inspectors' visit on 10/28/85.

In preparation for a meeting between OHM, Contracts and ERT, three OHM corporate personnel on scene to discuss and compare OHM and EPA cost tracking systems so they could understand differences.

10/26/85 Auger #2 between water dryer and extractor continued binding during test runs. The 5 hp motor was to be replaced with a 10 hp motor.

Two members of CCSP on scene to obtain copies of POLREPs and review the site file.

TAT and ERCS chemist obtained two soil samples from a residential yard previously sampled by CCSP and reported to be "hot".

Three EPA Headquarters personnel (Colleen Caruthers, Jackie Dzubian and Shiela Delpero) on scene to review site activities with the OSC.

10/27/85 System testing and calibration with clean soil and methanol continued despite minor complications. A blower was added to dissipate methanol fumes in confined areas.

10/28/85 Weir in the extractor lengthened to increase soil residence time and avoid methanol flooding in the dryer. The water supply line was insulated and a methanol stack condenser was fabricated to reduce methanol loss and promote reuse into the system.

The Fayette County Fire Chief on scene for an update and offered continued support.

OSC Caron and ERT Zownir held a teleconference with EPA/ERD Hans Crump and EPA Region III Tom Voltaggio and Tom Massey regarding Fund use and startup costs/delays resulting in 50% reduction of ERCS personnel and establishment of an 11/1/85 startup deadline.

10/29/85 Startup problems continued to plague the system while attempting to calibrate rates. The water dryer drive belt was slipping and the bearing casing broke on the water dryer. This caused the overloading of Auger #1 from the Grizzley to the dryer thereby causing the extractor to flood the dryer with methanol.

The OSC was contacted by a newspaper reporter for information regarding the delay of removal actions.

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CHRONOLOGY OF EVENTS (continued)

10/30/85 The workday began at noon as a cost saving measure; ERT demobilized until startup. Nonessential ERCS personnel were demobilized per the OSC's approved billable personnel list.

A Reeves 10 hp motor was installed on Auger #2 to replace the 5 hp motor. An additional scrubber unit was added to the condenser stack to conserve methanol vapor loss.

Region V OSC Ralph Dolhopf was on scene and briefed on the extraction process.

10/31/85 HQ Contracting Specialist Tim Ferris and OHM ERCS Program Director Bob Ohneck were on scene.

The drive belt and bearing casing were replaced on the water dryer. A gear pump was installed to replace the double diaphragm pump between the lamella and extractor to aid in reducing sludge buildup problem. Heat sensor installation began. Additional sight ports were installed on the lamella to enable view of the sludge level.

Guide plates were welded to the Grizzley to avoid spillage over the sides during soil loading and exhaust vents were installed on Auger #2 to the clarifier as particulate control measures.

WVDNR official McClanahan on scene in response to the report by a city official of neighbors burning trash near the site. Mr. McClanahan went door to door and explained to the neighbors that methanol is highly flammable and that EPA would provide trash bags for them to use the dumpster on site.

Region V OSC Dolhopf again on scene to observe site operations.

11/01/85 HQ Contracts Specialist Tim Ferris, the OSC and OHM/ERCS negotiator Bob Ohneck met to begin negotiations to develop a cost share situation to reduce startup costs' burden on the project ceiling. OSC provided cost information to Contracts regarding startup-related costs to enable calculation of cost overruns and required ceiling increase. The OSC continued to confer with ERT Zownir to receive advice and guidance regarding startup problems and cost impact.

Maintenance was completed on the water dryer. Installation of the heat sensors was completed.

Startup was delayed due to malfunction of the methanol feed return pump. However, shortly after startup, the extractor overloaded with soil, resulting in broken drive plate bolts, a sheared shaft plate key, bent auger fins and the kickplate being bent beyond repair.

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CHRONOLOGY OF EVENTS (continued)

11/02/85 Proper management of field cost control system enabled deduction of improperly charged contract items. ERCS was directed by the OSC to examine all dailies and correct/credit them where appropriate.

Region V OSC Dolhopf again on scene and requested OSC Caron to present the extraction system and site funding history to Region V. The OSC planned to take the matter up with Regional management.

11/03/85 Extractor repair continued; fins were welded where broken or bent. Kickplate reinforced, lengthened, and a counterweight added.

Minimal personnel present during repair downtime as cost saving measure.

11/04/85 Extractor maintenance completed and the unit was tested with clean soil and water. ERCS contacted extractor manufacturer, who advised that the kickplate/soil passage (180° turn) be widened and stated that a representative would be provided for on-scene consultation.

Two representatives from Berwind Land on scene for site progress. WVDNR was updated on site status.

The OSC attended monthly WVOES meeting in Charleston as a primary speaker, then departed to the Regional Office to prepare a presentation for a PCB spills conference. USCG acted as OSC representative during the OSC's absence.

11/05/85 Extractor manufacturer representative was on scene and approved of/agreed with upgrade measures. Expanded sight glass windows were also installed on the extractor cover to enable the operator to observe both kickplate operations and any internal buildup.

A filter screen was installed in line at the methanol return pump from the lamella. Power overloading occurred on Auger #2. Electricians on scene proceeded to work on resolving the problem.

Contracts and ERT updated on site status. Conference call was held COB between the OSC (at Regional Office), USCG, TAT and ERCS technical staff to discuss startup and WVAPCC inspectors' visit.

11/06/85 Startup status was achieved and system was calibrated using clean soil and methanol. Problems with Auger #2 continued. A smaller gear installed to enable the auger shaft to turn at a higher RPM. Also, steam was connected to the auger jacket to replace the cooling medium to avoid condensate buildup and clogging inside the auger.

OSC arranged WVAPCC inspectors' visit to observe particulate control measures while utilizing clean soil. Fred Sizemore and three inspectors were given a tour by TAT, USCG and ERCS technical staff. Inspection outcome was positive. WVAPCC's only remaining concern was dusting from the staged soil pile while uncovered and loading.

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CHRONOLOGY OF EVENTS (continued)

11/06/85 WVAPCC inspectors returned to Charleston to corroborate observations with Director Beard and planned to notify the site first thing in the morning to give a "go" or "no go" PCB startup decision.

11/07/85 WVAPCC notified the site of their satisfaction with on-site particulate control measures.

PCB soil was introduced into the system at 2 1/2 tons per hour. Additional startup problems occurred. Both rotary valves and the Grizzley power shaker clogged up due to the high moisture content of the soil. The lamella was filled with sludge from previous test runs and the in-line filter screen installed on 11/5/85 became clogged and had to be removed. Level C areas were delineated and enforced as per the site safety plan.

ERCS (nonbillable) engineers were actively working on design upgrades to solve sludge buildup problems.

EPA/DPO Jarvela informed the OSC that TAT cost tracking should be changed from the \$65/hour estimate to a more exact cost based on level of salary charged and actual expenses. This involved recalculation of costs to date retroactive from 9/27/85 when the last correct figure was available.

OSC attended PCB spills conference; was in frequent phone contact.

11/08/85 OSC Caron, back on site, informed ERCS that full-scale, 24-hour PCB soil treatment had to occur by the week of 11/11/85 in order for the project to continue. OSC directed ERCS to separate and batch-treat all sludge, contrary to OHM wishes. OSC was determined that the project would not fund experimentation design to cure startup problems associated with sludge and OSC placed the burden on OHM to develop a sludge treatment system that can process effectively without impacting day-to-day efficiencies. If that could not be done, sludge would have to be dried and disposed of as a PCB-contaminated solid. OSC requested assistance from ERT to develop a sludge treatment method in an attempt to accommodate OHM concerns but clarified that such work would not be funded with project funds.

Upon introduction of PCB soil, ERCS moved into the PCB soil testing and demonstration phase, in which a one-week period would be allowed for full-scale processing to come on line.

Initial run results indicated PCB extraction to be successful, reducing PCB concentration by 98%, with a 10 ppm output.

A Scarborough Township Health Department representative was on scene to inquire about the site and discuss health effects with the OSC.

Paul McGee of CCSP contacted the OSC for results of sampling performed downstream; was provided with verbal results of 10 ppm.

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CHRONOLOGY OF EVENTS (continued)

11/08/85 As a result of HQ Contracts renegotiations, credits began appearing on dailies for items previously charged as noninclusive in the "black box" price.

Sludge cleaned from extractor and lamella and transferred to a separate tank.

11/10/85 Tests run on samples obtained from lamella sludge indicated sludge would have to be batched or run through a mixing vessel; it was not extractable as was. Sludge treatment modifications began by installing additional piping between the lamella, clarifier and extractor.

Sludge was pumped from the holding tank onto the staged soil pile.

ERCS personnel reduced during cleaning and fabrication as a cost saving measure.

Recalculation of estimated TAT expenditures retroactive to 9/28/85 inclusive as per the DPO's direction on 11/7/85 resulted in an adjustment credited to the project in excess of \$22,000.

11/11/85 Sludge piping rerouting and fabrication continued. 24-hour fabrication began in response to the OSC's deadline.

11/12/85 As a result of Contracts renegotiations, over \$34,860 was credited to the project by ERCS for mischarged items.

The OSC coordinated with TAT and USCG to provide additional support for 24-hour operations.

Disposal options were explored for PCB-contaminated methanol and carbon. Carbon would be disposed of in 30-gallon plastic drums and incinerated. Spent methanol would be carbon treated to less than 20 ppm, then possibly sent to an incinerator which would accept the material as fuel at no cost to the project.

11/13/85 ERCS continued to work around the clock to comply with the OSC's deadline.

OSC and ERCS technical staff determined that contaminated methanol would be passed through the carbon cell into a 5000-gallon storage tanker for transport to an incinerator while contaminated water would be pumped from the particulates clarifier to a settling pool. Flocculating agent would be added and the water would then be transferred to a second pool for pH adjustment prior to discharge to the underflow dam.

WVDNR and ERT were updated on site status.

11/14/85 PCB startup began at 2.5 tons/hour rate. A second shift crew on scene for an extended safety meeting to review emergency procedures and chemical hazards.

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CHRONOLOGY OF EVENTS (continued)

11/14/85 PCB startup began at 2.5 tons/hour rate. A second shift crew on scene for an extended safety meeting to review emergency procedures and chemical hazards. Shortly after PCB extraction startup, system was shut down because Auger #3 (discharge) was plugged with soil from previous runs. The system was restarted after maintenance, but soil built up in the extractor flooding methanol dryer. The system was shut down while extractor cover was removed and internal wiper was manually cut by personnel in level B protection. Operations continued through the morning. OSC Caron estimated the system ran well for approximately nine total hours including sludge treatment.

OSC approved change in ERCS Response Managers from Lloyd Stauffer to Gary Roseman. Joe Kirk and Bob Ohneck remained on scene. Additional support staff was put on standby awaiting word on process startup and continued 24-hour operations.

11/15/85 Process run and modifications successful; 24-hour operations began. PCB soil was processed at 5 tons/hour. Four phases of extraction operations identified as being PCB soil processing, sludge processing, contaminated methanol treatment, and contaminated water treatment. Deadline of 11/21/85 was imposed during PCB startup phase for ERCS to optimize the system for PCB soils extraction to specifications of 10 tons/hour with an output of less than 25 ppm.

ERCS personnel trained on process equipment and assigned to designated equipment and shifts.

11/16/85 Additional USCG and TAT support on site for 24-hour operations.

A vacuum tanker delivered and placed on methanol storage pad to receive carbon-treated methanol for transfer to the Caldwell facility in Lenoir, NC where it will be incinerated as fuel.

A load of fresh methanol delivered because processed methanol was saturated and resulted in reduced extraction efficiency (92%).

11/17/85 Sludge processed 11/16/85 was reported over 25 ppm due to saturation of methanol. It was discovered later in the day that a mistake was made in the lab and the soil was actually within guidelines.

Process downtime was incurred in the early morning due to a clogging problem with the water dryer requiring maintenance.

11/18/85 11/19/85 - 24-hour processing continued; efficiencies ranged from 65% to 95% for unknown reasons. Runs were being designed to minimize variables and identify proper run conditions for high efficiency. Sludge production estimated at 20% of total treated volume. OSC considered collecting, drying and disposing of sludge as cost/time saving measures as the system was not designed to treat sludge efficiently. OHM considered system modifications at their own expense to allow for in-line sludge treatment.

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CHRONOLOGY OF EVENTS (continued)

11/18/85 11/19/85 - Budget projections indicated unless the process reached optimum conditions by 11/21/85, the project could not be completed at a "reasonable" cost, based on restraints associated with Regional allocation and present situation regarding CERCLA funds. OHM was aware of this position, considered their options (including contracts negotiation, cost sharing, covering their losses) and was willing to discuss funding situations and/or cost sharing issues.

Carbon treatment of methanol proved effective and was being performed continuously in line to maintain low PCB concentrations in the methanol, thereby increasing extraction efficiencies.

11/19/85 Approximately 150 tons of PCB soil processed to date, with ranging efficiencies. However, breakdowns hampered further processing. A second bearing casing broke on the water dryer, soil overloaded the methanol dryer, Auger #3 clogged, the main methanol feed line to the extractor and the sludge pump to the lamella became clogged. Methanol and sludge were processed during extraction downtime.

11/20/85 The OSC continued to work closely with Contracts' Tim Ferris regarding scope of work and startup costs negotiations.

ERCS continued 24-hour operations to meet 11/21/85 deadline.

OHM informed OSC they wished to continue the project despite budget constraints and indicated their willingness to negotiate at any time. OHM was considering operating under a spending cap or any other contractual arrangement to stay within project budgets. OSC immediately informed Contracting Officer of OHM's position. OSC and C.O. reviewed OHM cost estimates and OSC provided the C.O. with necessary technical information. OSC determined that more time was needed to streamline and optimize the system, but present budgets and/or available additional funds would not allow for such work and still complete the project.

11/21/85 After close coordination C.O. Ferris, OSC Caron instructed ERCS to decontaminate, demobilize and stabilize the site, as the deadline for full-scale treatment was not met as per contractual agreement. As it existed, the system was not capable of meeting the contract specifications of less than 25 ppm and 10 tons per hour based on the existing budget and overall need to assure site cleanup. OHM informed OSC they would like to access the site to continue testing to enable system optimization to meet contract specs. OSC determined Superfund should no longer bear the burden of startup costs and requested Contracts to aggressively continue negotiations attempt recovery of these dollars so that upon system optimization, at OHM's expense, sufficient funds would be available to complete the project.

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CHRONOLOGY OF EVENTS (continued)

- 11/21/85 OHM preliminarily offered to meet with the OSC and Contracts and would consider project completion under a ceiling cap, or a newly negotiated position. OHM had to make corporate decisions associated with company dollars prior to any renegotiation. It was the consensus of all on scene that with additional improvements, the system would perform to specification. OHM offered to remain on scene to perform additional test runs at their own expense. This was accepted upon review by both the OSC and Contracts.
- 11/22/85 The OSC and USCG demobilized to respective regional offices. ERCS began demobilizing nonessential personnel.
- ERCS made two runs at their cost and at EPA's consent to generate additional data. The decontamination phase began at 1630 hours.
- Methanol was transferred from carbon cell to the Caldwell tanker. Geotech fabric surrounding the Grizzley conveyor was removed and soil was cleared from the processed soil pad. Chemists remained on night shift due to backlog of sample analysis.
- 11/23/85 A Caldwell tractor on scene to pick up the tanker of used methanol. Sludge treatment equipment delivered 11/21/85 was demobilized. Grizzley steam cleaned and staged near the support area. The second water treatment pool was set up with a carbon filter. A flocculating agent was obtained by TAT and ERCS engineer from a local water treatment facility. Floc tests were successful, indicating a 1-hour settling time. Recovering of the staged soil pile began.
- 11/24/85 Lamella was emptied and cleaned; sludge was pumped into a holding cell within diked area of the staged soil pile. Backfill was used to reinforce the diked area. Methanol storage pad hosed down and Auger #3 was steam cleaned. Cleaning of the extractor began and the traffic areas on site were surface-scraped. Particulates clarifier was pumped into the settling pool and the water was treated.
- 11/25/85 A load of used methanol was transported to Caldwell. Analysis of treated water indicated that PCB content was nondetectable and the water was discharged to the underflow dam. Remaining methanol was processed and emptying of carbon cells began. Boiler disconnected, methanol dryer/extractor pad was washed down and second sludge clarifier was cleaned. The 955 loader was decontaminated and demobilized. Soil samples taken of scraped areas indicated two areas slightly above 25 ppm; areas were then scraped further.
- 11/26/85 Emptying of both carbon cells was completed. Last load of used methanol was transported to the Caldwell facility. The 555 loader/backhoe decontaminated and staged off site. The skid vac unit was decontaminated and demobilized in addition to miscellaneous pumps, hoses, and small equipment. The boiler was disconnected.

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CHRONOLOGY OF EVENTS (continued)

11/27/85 555 loader/backhoe, 930 loader, one command post, and supply trailer demobilized. Boiler unit was demobilized by Holman Boiler Works. All personnel demobilized by noon for the holiday weekend.

11/29/85 Site essentially demobilized; only treatment system ("black box"), command post and 24-hour security remained. All used and treated methanol certified less than 20 ppm PCB transported to Caldwell, NC for incineration. Contaminated carbon staged in containment cell adjacent to the staged soil pile, covered and secured.

OHM reviewed generated process data and informed OSC of their intent to secure the services of experienced consultants and engineers to redesign/improve process system to allow compliance with contract requirements of 10 tons/hour and less than 25 ppm. Some new fabrication of sludge handling equipment would be necessary and would require additional corporate expense; OHM considered the company's commitment to that expense. Joe Kirk informed the OSC that OHM was committed not only to proving this new technology, but also to satisfactorily complete the cleanup and that OHM was anxious to begin renegotiation to allow for remobilization in a timely fashion.

11/29/85 OSC Caron developed the position, after review and discussion with ERT and Contracts, that time is necessary to allow for both technical and contractual solutions to be formulated. The OSC was considering site remobilization for the Spring, as operations during the winter would be difficult due to the site's location, while maintaining 24-hour security in the interim.

12/02/85 OSC traveled to EPA HQ to meet with C.O.s Flynn and Ferris to provide all technical information for them to develop a prenegotiating position. Contracts was confident in EPA's position that OHM did not meet contract requirements, which OHM did not contest. Contracts planned to renegotiate project completion within the existing budget.

Grizzley was demobilized. All lines in "black box" were winterized. Salt placed around tanker wheels and legs to prevent freezing into place. Natural gas lines were disconnected. Fencing contractors were on scene to estimate bids for a more permanent fence surrounding the site.

12/03/85 ERCS credited an excess of \$35,000 to the project in mischarged items, enabling ERCS to stay under ceiling. Nitrogen tank, vaporizer units, and condensate tanks demobilized. Process units covered with visqueen.

12/04/85 Carbon cells, excess carbon, settling pools, mobile lab, and one tanker demobilized. Staged soil pile covered with visqueen under secured geo-tech fabric covering. Local fire chief on scene and informed of demobe. Bag filter chambers flushed with creek water.

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Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

- 12/05/85 Antifreeze applied to remaining pipelines and steam jackets. Gauges were removed from process units and electrical shed was secured. Remaining tanker, gauges decontamination trailer and miscellaneous pumps and jacks were demobilized.
- 12/06/85 ERCS finished inventory and command post dress up prior to final demobilization.
- 12/09/85 ERCS removed satellite lights and holoflite dryer for repairs at their own expense. Negotiations between EPA Contracts and ERCS/OHM remained ongoing to develop a strategy to best suit both parties in proving this technology and completing cleanup of the site.
- 01/11/86 OSC, TAT, OPA Germann attended a meeting with CCSP to answer technical questions, site history, PCB regulations, other PCB cleanups and EPA standard operating procedure for referring information to health officials. Site file was copied by CCSP under FOIA.

A private physician with 9 years of cancer research, Dr. Anjab, opened a cancer treatment center in Oak Hill. Following review of CCSP unofficial health survey data, Dr. Anjab was convinced there was an unusually high cancer rate in Minden, but he believed it was probably due to some environmental agent and proposed that a door-to-door health survey be performed to screen likely individuals for PCB in their blood and perform fat tissue analyses on Minden cancer patients. OSC Caron offered all data and informed the group that EPA would consider such a survey if any evidence could be found to support their belief that Shaffer could be a contributing factor to the high rate of cancer in the Minden area.

In addition to the above, two TV stations attended the 8-hour meeting. OSC Caron and OPA Germann agreed that interviews were favorable.

OSC Caron continued to maintain 24-hour security at the site and directed TAT to conduct bi-weekly inspections until the site was remobilized. OSC Caron updated WVDNR, WVDOH and county health on a monthly basis by POLREP.

OHM had submitted their proposal for work completion and was under review.

- 02/11/86 Renegotiations continued whereby OHM would commit to completing the project. These renegotiations included OHM invoices for work performed between September and November 1985 that EPA felt was poor performance and did not meet contract specifications.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

02/15/86 OSC Caron contacted Contracting Officer Pat Flynn and was advised of difficulties being experienced with renegotiations with OHM. OSC requested aggressive renegotiations following conversation with OHM Bob Ohneck who indicated that OHM was willing to enter into discussions regarding renegotiations.

04/04/86 Meeting held with EPA Procurement, EPA/ERD and Region III at which time it was determined that a competitive contracting mechanism could be used. OSC Caron and Contracting Officer took the position that all efforts to renegotiate with OHM would cease. OHM's reluctance to commit, CERCLA reauthorization, HQ guidance and fund issues contributed to this decision.

OSC Caron prepared a scope of work to dispose of the PCB-contaminated soil in an approved landfill and perform site restoration.

04/17/86 to 4/18/86 Per direction of OSC Caron, TATMs Biswas and Ziegler measured the approximate volume and density of the Shaffer waste pile. Calculations indicated the pile to be approximately 85,600 cubic feet (3,200 cubic yards) with an average of 113 pounds per cubic foot (see Appendix L, Background Information).

07/09/86 OSC Caron and EPA Procurement Janet Fallin held an on-site meeting with interested companies regarding waste pile removal. The bid proposal question and answer question was attended by 24 individuals representing 18 organizations.

Leachate was observed coming from the berm around the eastern edge of the waste pile. OSC Caron believed it was not coming from the pile, rather that it was caused by the high groundwater table interacting with the soil.

07/22/86 Bids closed this date; Contracts estimated 30 days until award.

Senator Rockefeller requested a meeting between EPA, CCSP, chaired by the Senator's aid, to answer citizen concerns. OSC Caron advised Congressional liaison Teller, ERS Chief Massey and Superfund Branch Chief Voltaggio of this upcoming meeting. OSC coordinated plans with Bill Ichord of the Senator's office.

OSC Caron advised ATSDR of preliminary findings of CCSP health study that they claim indentified possible PCB-related illnesses in Minden.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

07/30/86 Meeting held at request of Senator Rockefeller attended by Senator's aid Lane Baily, OSC Caron, 30 CCSP members and numerous press representatives. OSC Caron advised the group that the site could not be prioritized because it did not meet criteria in place and that it would be funded upon CERCLA reauthorization and funding availability. OSC also advised that landfilling was most effective alternative to on- or off-site incineration and offered to participate in future meetings should they be requested. Overall, OSC felt the meeting was successful and positive.

09/10/86 EPA Contracts advised OSC Caron that CECOS had been awarded a firm fixed price contract of \$838,000 (approximate--contract contains exact) to transport and dispose of the PCB-contaminated waste pile.

EPA Procurement Fallin contacted CECOS and notified them of the award.

10/06/86 OSC Garrett Arai was assigned to the site due to other Regional commitments of OSC Caron.

OSC, TAT and ERCS arrived on site at 1515 hours and made site observations. Sixty-five drums were identified from previous activities and some were leaking due to loose lids and bungs. One drum had rusted through the bottom. ERCS was unable to provide an inventory of the drums; would be reinventoried and sampled for disposal. In addition, approximately 1/3 of the pile cover had ripped and shredded exposing contaminated soil.

10/07/86 Activities commenced with the sampling of 38 drums that were found to contain pool liners, contaminated clothing, visqueen and other contaminated tools. Six were full of rainwater and contaminated articles; would be repacked and solidified.

OPA Germann on site for press coverage. Local press and state political representatives on site and photographed ERCS performing drum survey.

10/08/86 A total of 76 drums identified for disposal. ERCS sampled 22 drums on extractor pad and solidified contents of drums of standing liquid. TAT screened 22 drums on pad with PID; no organic vapors. TAT inventoried flushing fluid drums for possible consolidation. TAT screened liquid drums near soil pile with PID; organic vapors detected and TAT advised OSC.

10/09/86 TAT continued drum sampling. ERCS continued to remove debris from waste pile. TAT obtained pH readings from 22 drums; ranged from 6.0 and 7.0 and were non-reactive from pH viewpoint. OSC directed ERCS to treat 22 drums with activated carbon.

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Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

10/09/86 ERCS pumped liquids from drums near soil pile and solidified and pumped accumulated rainwater from extractor pad. Empty drums grouped for removal and all full drums secured for future disposal.

10/10/86 ERCS pumped accumulated rainwater from housing pad. ERCS completed removal of debris from soil pile and consolidated into drums for disposal. ERCS covered soil pile with visqueen.

TAT prepared final drum inventory for disposal:

9 drums flush fluids
4 drums coagulant solution
50 drums solids; clothing, plastic, debris

TAT and ERCS made check of site to ensure all was secure. OSC, TAT and ERCS demobilized from the site.

10/16/86 Waste profiles (WPRs) for waste pile submitted for approval through regulatory agency; state of Ohio had final approval authority. OSC attempted to expedite disposal approval from Ohio to prevent CECOS from defaulting on the contract awarded to them in September to dispose of waste pile.

Press interest renewed because no soil had yet been moved.

11/18/86 Remobilization to the site to restabilize waste/soil pile as cover had deteriorated and allowed rain to leach into the pile. Snow fence surrounding the pile no longer adequate due to weather.

ERCS covered soil pile with geo-tech fabric and removed snow fence. Site security established for evening hours.

TAT recommended filling in pits that had filled with rainwater to prevent a water accident as toys were found around the pit areas indicating that children had played there.

11/19/86 Pits were pumped out and filled in with Red Dog clay to prevent accidents and concrete dikes surrounding the two extractor pads were broken to prevent any further rainwater collection.

ERCS accepted bids from fencing subcontractors for chain link fence to replace snow fence.

All drums were staged on pallets and covered with visqueen and geo-tech fabric located at west end of waste pile.

11/20/86 OSC, ERCS and TAT demobilized to await disposal approvals. One ERCS PCT remained to monitor chain link fence installation.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

12/03/86 Chemical Waste Management (CWM) informed ERCS that disposal approval for waste pile had been revoked due to environmental compliance issues of the facility. OHM Ohneck advised OSC Arai. Alternate approvals were implemented to other disposal facilities.

01/14/87 Disposal approval received for 50 drums solids and 4 drums coagulant at CWM, Emelle, Alabama facility. OSC and TAT on site to observe AMO remove the drums from the site via manifest CWMA246518. Nine drums PCB-contaminated liquids remained on site.

02/17/87 Removal of remaining 9 drums held up due to poor weather.

02/18/87 Remaining 9 drums PCB-contaminated liquids loaded onto AMO truck and removed for disposal at SCA Chemical Services facility in Chicago, Illinois under manifest #SCA1660684.

04/20/87 Contracting Officer Mueller informed Sr. OSC Caron that as of 4/1/87 due to contractor's inability to secure an approved, in compliance disposal facility for the waste pile, CECOS' contract terminated for government convenience. Sr. OSC Caron recommended that upon award of a local Mini ERCS contract, first delivery order should be removal of waste pile from the site; would pursue aggressively.

07/20/87 Mini ERCS contract not yet awarded; anticipated end of August 1987.

08/14/87 Sr. OSC Caron contacted EPA Procurement regarding deobligation of funds from defaulted CECOS contract; expected this date.

08/19/87 Sr. OSC Caron issued delivery order to ERCS to make arrangements for transport and disposal of waste pile at selected facility, CWM, Emelle, Alabama. WPR completed, compliance checked, all good.

Sr. OSC Caron directed TAT to prepare \$2-million exemption and additional funding request for \$750,000.

09/09/87 OSC Philip C. Younis assigned to site due to other Regional commitments of Sr. OSC Caron. OSC Younis conducted meeting at Oak Hill Holiday Inn, attended by EPA Field Administrative Specialist Paula Curtin, TATMs Joe Carter and Dave Bute, OHM Daly and Ken Cobb, and representatives of Dart Trucking and Wills Trucking, to discuss preparations for removal of PCB-contaminated waste pile. WVDNR issued temporary ID Generator #WVP000000808.

Site inspection revealed pile partially uncovered, hot zone secure, and site well posted.

WOAY Channel 4 on site; OSC Younis declined to give formal statement.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

09/10/87 ERCS began clearing and leveling land for trucking operations and began construction of transition building, scaffolding and scale house.

OSC Younis contacted local fire, police and hospital to advise of EPA's presence. FAS Curtin updated Sr. OSC Caron.

Site security established with National Security.

09/11/87 ERCS covered exposed areas of waste pile to prevent spread of contamination due to forecasted heavy rain. Gravel obtained to maintain access road during trucking operations. Command post set up and telephone installation completed.

09/12/87 Truck scales delivered. Electric power installation completed.

09/14/87 ERT/TAT Mike Catalano on site to implement computer Removal Cost Management System (RCMS) and assisted FAS Curtin with new program.

OSC Younis met with Oak Hill City Manager to express concern regarding potential bottleneck in truck route where a gas station was under construction. The road was narrow and residents were parking their cars opposite the construction. City Manager agreed to help mitigate the problem.

OSC Younis briefed Fayette Tribune Joe Myers on site generalities.

Preparations for transportation and disposal operations completed including truck scale installation, delivery of gravel, banner guarding of truck route, and erection of scaffolding.

09/15/87 Sr. OSC Caron and OPA Germann on site and briefed CCSP on transport and disposal activities. CCSP observed on-site operations. OPA Germann briefed media representatives of site activities.

WVDNR Pam Hayes and WVDNR/OPA Carol Herrick on site to observe operations.

Property owner Anna Shaffer on site and presented Sr. OSC Caron with a letter stating her requests and concerns regarding site restoration. Sr. OSC Caron agreed to honor all reasonable requests.

Ten truckloads (approximately 226.87 tons) soil properly loaded, manifested and transported to CWM, Emelle.

09/16/87 Problems arose with RCMS as it was found to be incompatible with existing operations. Cost tracking would be handled manually.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

09/16/87 Eleven trucks (approximately 240 tons) loaded and departed site for Emelle. ERCS RM scheduled Friday (9/18) truck loading to coincide with CWM Saturday (9/19) and Sunday (9/20) hours of operation.

EPA Contracts requested to modify ERCS delivery order to increase ERCS ceiling to \$500,000 for transportation and disposal costs.

TAT completed budget and trucking schedule as requested by FAS Curtin.

09/17/87 Nineteen trucks (423 tons) loaded and departed for Emelle; 40 trucks and 890 tons to date.

FAS Curtin approved budget/trucking schedule and briefed ERCS RM. FAS Curtin confirmed approval of ERCS ceiling increase and briefed Sr. OSC Caron of site status and trucking schedule.

09/18/87 OSC Younis departed site; FAS Curtin to act as OSC representative under direction of Sr. OSC Caron.

Seven trucks (159 tons) loaded and departed to Emelle. ERCS covered soil pile for weekend site demobilization.

09/21/87 ERCS ceiling increased by \$330,000 to \$830,000. FAS and TAT completed new budget and trucking schedule through 9/25/87; awaited approval of additional funding request.

Ten trucks (223 tons) loaded and departed for Emelle; 57 trucks, 1272 tons to date.

09/22/87 FAS Curtin contacted Sr. OSC Caron and suggested that two ERCS RTs be demobilized due to slow trucking operations and limited funds. Sr. OSC Caron concurred and contacted ERCS RM.

Seven trucks (160 tons) loaded and departed for Emelle.

09/23/87 Sr. OSC Caron elected to discontinue trucking operations after 9/25/87 due to limited funds; would await approval of additional funding request. FAS Curtin briefed ERCS RM of situation and directed RM to maintain only key personnel on site until further notice.

Seven trucks (156 tons) loaded and departed for Emelle.

09/24/87 FAS Curtin met with former Shaffer General manager Robert Maynor to discuss Mrs. Shaffer's site restoration requests.

Nine trucks (196 tons) loaded and departed for Emelle.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

09/25/87 Trucking operations ceased to await approval of additional funding request. CWM briefed FAS Curtin regarding unnecessary attachment to manifests; FAS to discontinue.

09/28/87 Heavy equipment mobilized to begin breaking up concrete pads for transportation and disposal as part of site restoration.

FAS, TAT and ERCS RM met with Mrs. Shaffer to discuss specifics of her site restoration requests.

ERCS removed an old gas line staged on site during 1985 site activities and deposited it on Shaffer scrap pile.

09/29/87 Two drums located behind Shaffer office building staged until contents could be identified.

ERCS continued breaking up large concrete slabs. Process slow due to steel reinforcement in 9-inch thick concrete.

09/30/87 Removal of concrete slabs continued.

ERT/TAT Catalano on site to reinstall new RCMS to interface with ERCS program.

FAS Curtin updated Sr. OSC Caron on site status and options available for disposal of concrete slabs; Sr. OSC Caron opted to acquire certification from a county landfill.

FAS Curtin contacted OSC Arai to obtain information regarding two drums that had been found behind Shaffer office building and one additional drum that was staged within the hot zone fence. OSC Arai advised that the first two were unknown and the one within the hot zone more than likely contained washwater.

10/01/87 Concrete slab operations continued.

ERCS and TAT obtained 4 composite concrete samples, one from each of the concrete pads, for PCB analysis and sent them to Centec Analytical, Salem, Virginia. ERCS collected a sample from each of the 3 drums. Physical characteristics identified the contents to be rainwater, washwater and motor oil.

FAS Curtin contacted WVDNR Harold Dunbar regarding concrete pad disposal. Mr. Dunbar advised that the landfill would be required to submit a written request to WVDNR to obtain permission to accept the concrete. A copy of analytical data would be forwarded to WVDNR.

Shaffer Equipment Site
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Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

10/02/87 Breaking of concrete slabs completed; concrete piled to await disposal. FAS Curtin advised Sr. OSC Caron and inquired about additional funding request status; request remained in Regional concurrence chain.

10/03/87 ERT/TAT Catalano departed site. All other personnel departed yesterday for weekend.

10/05/87 Additional funding request remained in regional concurrence.

Concrete analytical data received; PCB levels less than 10 ppm in each of the 4 pads.

Site restoration activities included removal of south portion of fence and turning of soil to dry. Exposed rebar was removed from concrete as required by Fayette County Landfill.

10/06/87 FAS Curtin contacted Sr. OSC Caron to update him on site status and give analytical results from concrete pads.

FAS contacted WVDNR George Chappel who informed her that Fayette County Landfill could not accept the concrete and suggested Mercer or Monroe County landfills as options. Mercer County declined request to accept concrete.

FAS and ERCS RM met with David Humphrey, owner of Ham Sanitary Landfill, Monroe County, regarding acceptance of concrete. Mr. Humphrey, supplied with a written request and the analytical data, would make a decision based on his engineer's recommendation.

10/07/87 FAS Curtin met with WVDNR Chappel and provided analytical data and a written request for concrete disposal.

ERCS obtained jack hammers and air compressors for use in breaking up large chunks of concrete for transport and disposal as required by the Ham Sanitary Landfill.

10/08/87 ERCS commenced jack hammering large concrete chunks.

ERCS RM met with builder Arnold Campbell regarding restoration of the deteriorated wall on the south side of the Shaffer building. Builder informed RM that the wall had been constructed in the 1940s and appeared water deteriorated and offered to submit a proposal for repair costs as soon as possible.

10/09/87 ERCS continued jack hammering large concrete chunks.

FAS Curtin inquired of Sr. OSC Caron the status of the additional funding request; in EPA HQ concurrence. Sr. OSC Caron directed FAS to begin making arrangements for soil transport and disposal to resume 10/13/87.

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Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

- 10/12/87 ERCS continued jack hammering large concrete chunks.
- FAS directed ERCS RM to mobilize necessary personnel to resume soil transport and disposal activities.
- 10/13/87 Waste pile uncovered; trucking operations resumed. Six trucks loaded and departed for Emelle.
- FAS directed TAT to draft a sampling plan and grid map for OSC review and approval. FAS updated Sr. OSC Caron and OPA Germann on site activities.
- WVDNR Chappel contacted FAS and offered assistance for concrete disposal.
- 10/14/87 Sr. OSC Caron directed FAS Curtin to task ERCS to explore landfill disposal vs crushing and on-site disposal.
- WOAY Oak Hill filmed on-site trucking operations; no formal statement given. Six trucks (133.8 tons) loaded and departed for Emelle; 102 loads, 2272.35 tons to date.
- Transportation and disposal operations ceased to await additional funding approval. ERCS foreman, operator and 3 RTs demobed.
- 10/15/87 ERCS resumed jack hammering of large concrete chunks.
- Ham Sanitary Landfill, Monroe County, operator David Humphrey on site to observe concrete piles; would give an estimate on transport and disposal of concrete.
- 10/16/87 ERCS completed jack hammering of concrete. Sr. OSC Caron contacted FAS Curtin for update on site status.
- 10/19/87 ERCS covered waste pile to prevent migration due to forecasted rain.
- Estimates for transport and disposal of concrete from Ham Sanitary Landfill and two Ohio landfills were submitted to FAS for review.
- Sr. OSC Caron advised FAS that additional funding request remained in EPA HQ concurrence chain.
- 10/20/87 ERCS removed remainder of chain link fence and isolated the hot zone with snow fence and banner guard.
- Sr. OSC Caron advised FAS that funding request was in Office of General Council and considered demobilizing site as ERCS was nearing ceiling.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

- 10/21/87 Sr. OSC Caron suspended site activities to await additional funds and directed FAS to demobe all personnel except TATM Carter and one ERCS RT. FAS complied with Sr. OSC Caron's request.
- 10/22/87 FAS contacted EPA HQ and learned that funding request was anticipated to be signed off by Monday, 10/26/87. FAS updated TATM Carter.
- 10/23/87 ERT/TAT Catalano contacted TAT for site status update.
- 10/26/87 ERCS located a stone crusher 1/2 mile from the site and proceeded to locate owner as crushing and disposing of concrete on site remained a viable option.
- Sr. OSC Caron advised FAS that funding request had not yet been signed; anticipated 10/27/87.
- 10/27/87 Operations remained suspended awaiting additional funding approval.
- 10/28/87 EPA/ERD Lopez advised FAS Curtin that additional funding request/\$2-million exemption had been approved and signed 10/27/87. FAS drafted a memo to raise ERCS ceiling to \$2,065,000; was obtained.
- FAS directed ERCS RM to arrange for trucks and mobilize necessary personnel to complete transport and disposal activities.
- 10/29/87 Transport and disposal activities resumed. Six trucks (121.85 tons) loaded and departed for Emelle.
- FAS Curtin was advised by WVDNR John Meeks that the temporary I.D. generator number did not require extension.
- FAS updated Sr. OSC Caron of site activities and trucking schedule.
- 10/30/87 OPA contacted FAS for site update.
- FAS and TAT met with Mrs. Shaffer to discuss site restoration. Mrs. Shaffer again expressed concern over diverting water drainage away from her office building and shop.
- Fourteen trucks (304.24 tons) loaded and departed for Emelle.
- 11/01/87 Seventeen trucks (365.53 tons) loaded and departed for Emelle.
- 11/02/87 FAS Curtin updated Sr. OSC Caron and OPA Germann on site status.
- Site visited by WVAV TV Bluefield and WOAY TV Oak Hill. FAS gave brief interview to WVAV, no statement to WOAY.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

11/02/87 ERCS began digging around office building in preparation for wall repair.

Thirteen trucks (289.24 tons) loaded and departed for Emelle.

11/03/87 Fumes resembling turpentine emanated from the southeast corner of the waste pile. Recent scraping in this area had also exposed the water table and created standing, sheen-covered pools.

Mrs. Shaffer observed removal of siding from office building and dirt from around office building. Two utility poles were staged in the hot zone that were assumed to be contaminated; to be disposed of and replaced per Mrs. Shaffer's request. C&P Telephone rerouted phone lines from one contaminated pole to another nearby pole.

Sixteen trucks (351.81 tons) loaded and departed for Emelle.

11/04/87 Equipment mobilized to site for disposal of uncontaminated debris.

Terpentine-like fumes, originally believed to have emanated from the hot zone, were found to have come from a drum of tan paint located in a diked containment area fifty feet from the Shaffer building that had recently been punctured. PRP cleanup under investigation.

Scraping of dirt in east end of hot zone uncovered water table and moistened contaminated soil; standing pools with visible sheens created.

Mrs. Shaffer observed building restoration. Plastering of walls was accomplished this date.

Sixteen trucks (361.32 tons) loaded and departed for Emelle.

11/05/87 Building restoration continued with the tarring of foundation blocks and placement of new siding.

Fencing subcontractor on site to determine fence line measurements.

FAS contacted Sr. OSC Caron and updated him on site status.

Sixteen trucks (355.88 tons) loaded and departed for Emelle.

11/06/87 ERCS mobilized Cat 215 to site and completely scraped east end of hot zone where water table was exposed; Cat 215 was demobilized.

ERCS completed repair of Shaffer office building with the exception of painting.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

11/09/87 FAS Curtin presented Mrs. Shaffer with a list of cleanup firms familiar with the disposal procedures of drums containing paint and solvents for removal of 18 drums staged in containment pond approximately 50 feet south of the Shaffer building.

Cost proposal of \$30,000 was received from Minden Red Dog for the crushing of concrete.

Ten trucks (244.61 tons) loaded and departed for Emelle. Approximately 70 tons contaminated soil remained and was covered with visqueen due to forecasted heavy rains.

TAT staked out 100 x 200-foot sampling grid perimeter. TAT drafted hexagonal grid sampling pattern using TSCA policy for PCB spill cleanup as reference.

FAS updated Sr. OSC Caron on site status.

11/10/87 ERCS diked hot zone perimeter as heavy overnight rains backed up a nearby sewer line and water flowed and pooled in the east end of the hot zone. The flow was curbed to a containment area in the northeast end of the site. Two water samples from the east end were taken and sent to CentTech Analytical in Salem, Virginia for 4-hour analysis. Analysis reported less than 1 ppm PCBs in the samples. Water pooled in east end of hot zone was pumped into Arbuckle Creek while Arbuckle Public Service cleared and capped the backed up sewer line near the hot zone.

Heavy rains throughout the day prevented transport and disposal operations; 3 trucks were held overnight to await more favorable weather conditions.

11/11/87 ERCS continued pumping water from the east end of the hot zone into Arbuckle Creek.

Final 3 trucks (68.23 tons) loaded and departed site. Total of 213 trucks and 4,735 tons contaminated soil disposed of at Chem Waste Management, Emelle, AL (see POLREP #161, dated 11/11/87).

11/12/87 ERCS completed pumping water from east end of hot zone.

ERCS completed sampling; total of 80 grab samples were transported to CentTech Analytical.

FAS updated Sr. OSC Caron on site status. OSC directed FAS to initiate concrete crushing. As directed by FAS, ERCS RM contacted Minden Red Dog regarding crushing of concrete. Operations were scheduled to commence Monday, 11/16/87.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

11/13/87 The 80 samples arrived at CenTech Analytical at 0800 hours for 5-day turnaround.

ERCS decontaminated 1155 loader for use in loading concrete for crushing.

11/16/87 Twenty trucks loaded with concrete to be crushed were transported to Minden Red Dog this date.

FAS updated OPA Germann on site activities.

11/17/87 Williams Electric replaced telephone poles staged in hot zone. ERCS cut up poles for transport and disposal at local landfill.

CenTech contacted ERCS RM and reported PCB analysis on 39 of the 80 samples indicated highest PCB concentration was 11 ppm.

WOAY TV Oak Hill on site to film operations.

Forty-two truckloads of concrete departed to Minden Red Dog to be crushed; crushing operations commenced this date.

11/18/87 ERCS began removing dike adjacent to Arbuckle Creek. Dike material generated was hauled across the site for use as fill in hot zone basin. Drennen Excavating also used 3 trucks for transport of 13 loads of backfill from quarry to site.

ERCS RM informed by CenTech that 37 of 41 remaining samples were analyzed and found to contain no more than 8 ppm PCBs; 4 samples remained to be analyzed.

Final 10 loads of concrete transported to Minden Red Dog for crushing; total 72 loads.

11/19/87 CenTech reported results on 4 remaining samples; #1 contained 157 ppm PCBs and was indicative of the northeast corner of the site. Centech to reanalyze to confirm report.

All crushed concrete was hauled back to the site for use as backfill. Drennen also delivered 29 loads of backfill for hot zone basin and completed removal of dike.

ERCS dismantled scaffolding, scales and scale house in preparation for demobilization.

11/19/87 Reanalysis of sample #1 by CenTech confirmed 16 ppm PCBs instead of 157 ppm as originally reported.

WOAY TV Oak Hill on site to film grading operations.

Drennen delivered 4 loads of backfill and completed basin fill in; also delivered 40 tons 2-inch stone to repair road that encircled Shaffer building.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

11/21/87 Fencing contractor placed fence posts along property line. No other work conducted as 3" of snow on frozen ground hampered grading operations.

11/22/87 ERCS began road restoration around Shaffer building and policed site. Scattered debris placed in roll off box for transport and disposal at local landfill.

11/23/87 FAS contacted Sr. OSC Caron, OPA Germann, and WVDNR Hayes to update them on site completion and demobilization.

WOAY TV Oak Hill interviewed FAS on site. FAS also gave telephone interview to WWVA Bluefield.

Mrs. Shaffer on site and expressed satisfaction with property restoration thus far, but requested additional stone. FAS felt stone was sufficient.

ERCS completed road grading around Shaffer building, policed site, and decontaminated equipment. Final site grading commenced.

11/24/87 WCHS TV 8 Charleston conducted on-site interview with FAS Curtin.

ERCS demobilized one RT, the D3 dozer and utility lights.

Mrs. Shaffer inspected restored property and expressed dissatisfaction with dike removal, trench depth and placement, and site grade. Per Sr. OSC Caron's direction, ERCS regraded low spots and rebuilt dike on Mrs. Shaffer's property.

11/25/87 Mrs. Shaffer again expressed dissatisfaction with site restoration. FAS Curtin, TAT, ERCS RM and PCT demobilized from the site.

Fencing contractor completed perimeter fence this date.

12/01/87 ERCS disconnected electric and telephone service and demobilized office trailer.

TAT directed to investigate flooding potential on Shaffer property from Arbuckle Creek and present options to mitigate the problem.

12/04/87 TAT completed flood control proposal and submitted to FAS Curtin.

12/14/87 Under direction of OSC Phil Younis, preparations for additional site work began. OSC Younis directed ERCS to be on site 12/15/87 to commence flood control measures and requested TAT support for photo-documentation and technical advice on levee construction.

Shaffer Equipment Site
Minden, West Virginia
Federal OSC Report
CHRONOLOGY OF EVENTS (continued)

12/15/87 OSC Younis, FAS Curtin, TATM Carter and ERCS mobilized to site. OSC contacted property owner Anna Shaffer and WVDNR to advise them of EPA's presence and intentions.

12/16/87 OSC contacted and updated OPA on site activities. OSC, TAT and ERCS RM met with Mrs. Shaffer and reviewed plans for additional restoration and flood control measures.

In response to a request by former plant manager that the fence be relocated to outer perimeter of the property, OSC Younis obtained survey maps of site and contacted surveyor W. Bennett to determine property boundaries on site. OSC advised former plant manager that, upon review with ERS Chief and Sr. OSC Caron, a decision on this matter would be forthcoming.

ERCS subcontractor, Jr. Humphrey, Inc., mobilized heavy equipment for site grading and levee construction. Eight truckloads of riprap were delivered from Beckley quarry for use in levee construction.

12/17/87 ERCS hauled additional riprap from Beckley quarry to site and continued levee construction.

12/18/87 OSC Younis met with Mrs. Shaffer and updated her on site activities. Mrs. Shaffer was pleased with levee construction and future plans.

Humphrey spread bed of riprap adjacent to Shaffer building as base for road and graded an area of the site to allow proper drainage.

ERCS hauled 8 additional loads of riprap and 14 loads of fines from Beckley quarry.

12/19/87 Mrs. Shaffer inspected site and was very pleased with completion of site restoration activity.

Levee construction completed. Drainage pipe was placed in ditch and then covered to allow access to Shaffer property. Humphrey began final grade of property.

12/20/87 Humphrey completed grading 2" stone on back driveway leading to Shaffer building.

All personnel and equipment demobilized as site restoration activities completed; all removal activities completed.

SECTION VII
PROBLEMS ENCOUNTERED AND RECOMMENDATIONS

100195

VII. PROBLEMS ENCOUNTERED AND RECOMMENDATIONS

As in any project, weather is a key factor. Due to the surrounding mountainous terrain, flash floods are common during periods of heavy rain. To address the potential for further migration of contaminants downstream, a 3-foot high berm was constructed along the site bordering Arbuckle Creek. As a contingency, a dike was built around the covered, staged soil pile and an underflow dam was installed in the discharge/runoff channel to Arbuckle Creek. Heavy rains caused Arbuckle Creek to rise, but the waters were contained by the contingency berm (see Photographic Documentation, Appendix D).

Concerned citizens were actively seeking a health study to be performed on previous workers and downstream residents. The OSC was concerned about the vigilante attitude created at public meetings to which EPA was not invited. Citizens were also concerned about EPA's decision not to remove PCB-contaminated soils from their yards. The OSC informed the residents of CDC's position to excavate contaminated areas exceeding 50 ppm only. The OSC made the site files available for review and copying and requested assistance from the State Health Department to coordinate residents' health concerns. However, the residents continued to seek independent health surveys.

Cost tracking during the project "extraction phase" was often troublesome as EPA's and ERCS' computerized cost tracking systems were both implemented. The primary drawback of the ERCS computerized 1900-55 form was that a draft would be generated for EPA and OHM corporate review. After any changes were made, a final contractor "daily" was submitted, that was then input into the EPA system often resulting in a backlog of dailies. The OSC recognized only the EPA-generated 1900-55 form and requested assistance from EPA HQ Contracts. Approximately one month into this phase of the project, Contracts informed the OSC that the contractor-generated dailies must be accepted due to contractual criteria. An entire day was spent by the OSC, TAT and OHM comparing both sets of dailies retroactively, item by item, for agreement.

A setback was incurred when the West Virginia Air Pollution Control Commission (WVAPCC), prompted by a call from a U.S. Senator, became concerned about particulate emissions and public perception. WVAPCC Director Beard cited five areas of concern for particulate emission and did not accept the OSC's and EPA's position of permit exemption on emergency cleanups based on technical requirements being met or exceeded. Installation of particulate control measures to satisfy WVAPCC delayed the project four days and increased costs.

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
PROBLEMS ENCOUNTERED (continued)

The water company representative gave inaccurate information regarding the location of underground utility lines. This caused a water main and a gas line to be broken during excavation of contaminated soil. It is important to ascertain the accuracy of utility line maps to avoid accidental damage.

Legal aspects of property ownership caused delays in excavation activities due to the inability of accessing Berwind Land property. Following a survey of the property, boundaries were delineated. Certification of property ownership should be obtained prior to implementing site activity, thereby eliminating future problems of this nature.

The expiration of Superfund on October 1, 1985 resulted in limited Regional allocation of funds which caused tighter budgetary constraints both in Region III and this project. It was uncertain that the extraction phase of the project would be completely funded, or that the project would be funded to its completion; however, monies were made available from funds allocated to this project prior to the expiration of Superfund. The scarcity of funds and mounting ERCS charges while not achieving the goal of the cleanup left the OSC with no choice but to demobilize and reassess cleanup options.

In addition to budgetary constraints, the extraction phase was hampered by continuous equipment breakdowns. Following is a synopsis of these problems. Further detail is provided in POLREPs 69 to 91 (Appendix B) and Appendix J (OHM Solutions to On-Site Problems). Extraction equipment breakdowns accounted numerous delays from October 20, 1985 until the OSC's decision to demobilize on November 21, 1985, resulting in additional expenditures.

Materials Handling

- A. Grizzley - The particulate size sorter became clogged due to soil moisture content and frequently required maintenance.
- B. Augers/Screw-type Conveyors - All three augers became clogged due to either soil moisture content or hardening of materials left standing during maintenance periods. Auger #2 became troublesome due to power overloading, which was investigated but not completely resolved.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
PROBLEMS ENCOUNTERED (continued)

Materials Handling (continued)

- C. Pumps - Gear and diaphragm pumps malfunctioned contributing to down-time. Some pumps had to be replaced.
- D. Air Lock/Rotary Valves - Both rotary valves became clogged and inoperable due to soil moisture content and hardening of materials left standing during maintenance. The operator had to periodically hit the rotary valve between the methanol dryer and Auger #3 with a hammer to prevent clogging.

Process Units

- A. Soil Water Dryer - Bearing housings on the dryer cracked on two occasions due to soil buildup or overloading. Because of the age of the unit, replacement parts were scarce.

Apparently due to inherent design deficiencies, particulate emissions from the steam exhaust presented a problem. Control measures were upgraded in response to WVAPCC concerns, which involved trial-and-error of various filtration systems before a scrubber and clarifier unit was successfully installed.

- B. Extractor - During the testing, demonstration and processing phases, design modifications and repairs were frequently performed on the extractor. Internal wiers were lengthened, shortened or cut to be more narrow to address the problems of extraction inefficiency/methanol residence time, sludge buildup and soil overloading. Fin angles were also changed to address sludge production.
- C. Clarifiers and Filters - Sludge buildup in the lamella clarifier from numerous previous test runs rendered it inoperable when PCB soil processing began. The lamella had not been emptied and the buildup so reduced methanol residence time that particulates could not settle (precipitate) out. An additional clarifier was installed and piping between the extractor and clarifier units was redesigned and fabricated.

Bag filters, used to collect particulates from the methanol prior to carbon treatment, became clogged with sludge and frequently had to be changed. Changing the filters became so cumbersome, interrupting the operations and reducing time efficiency, that they were later bypassed, allowing the PCB-contaminated methanol to flow directly into the carbon cells. Sludge then built up on the activated carbon at the top of the cells and had to be removed by shoveling.

100198

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report
PROBLEMS ENCOUNTERED (continued)

After Superfund was reauthorized under the Superfund Amendments and Reauthorization Act (SARA), estimated costs to complete the project were over the \$2 million criteria as set forth by SARA. Additional delays were incurred because additional funding had to be approved by EPA Headquarters personnel.

Fabrication and testing were done in level D. When PCB soil was introduced, it was necessary to designate exclusion areas, upgrade the level of personal protection in these areas, and to enact a decontamination area. Cross contamination between the exclusion zone (staged soil pile and Grizzley) and "clean" areas that were excavated and backfilled, became a problem due to personnel crossing zone boundaries. The site was then considered to possess some degree of contamination. To prevent the spread of contamination off site, protective clothing was required of all personnel entering the site.

As previously mentioned, sludge buildup was a problem that became a major factor. During bench scale testing and development, sludge production was estimated at 5% (see POLREP 91, Appendix B). During actual operations, however, sludge production was significantly higher, approximately 20%. Thus, sludge demanded special consideration in the process. Due to the capacity of the clarifiers, for every day of soil processing, sludge would have to be batch processed, taking approximately six hours. It was also found, through laboratory analysis, that the extraction efficiency for sludge was significantly lower. OHM proposed the addition of a special mixing vessel to achieve the PCB extraction from the sludge, as the extractor was not designed to address this type of material. Had the project been resumed utilizing the treatment system, a special unit such as a mixing vessel would have been required or the sludge would have to be landfilled. Ultimately, OSC Caron determined that landfilling would be the most effective means of disposal.

Following the completion of the final disposal phase of the project, OSC Caron tasked ERCS, monitored by TAT, to restore the site to its former state to the satisfaction of the property owner, Mrs. Anna Shaffer. To that end, Mrs. Shaffer prepared a list of items to be addressed and submitted it to OSC Caron who agreed and directed ERCS to follow Mrs. Shaffer's instruction. Under her direction, the placement of the drainage ditch and the placement of the fence line were done incorrectly. These problems caused numerous delays and the need for additional funding when the ditch had to be replaced. The OSC recommends that a detailed scope of work for site restoration be prepared in advance to be agreed upon and signed by both the EPA and the property owner to prevent a recurrence of this type of situation.

100199

SECTION VIII
LEGAL ASPECTS

100200

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

VIII. LEGAL ASPECTS

Due to the sensitive nature of EPA Enforcement negotiations, any inquiries as to legal aspects relating to the Shaffer Equipment Site should be directed to the Office of Regional Counsel, U.S. EPA Region III, Philadelphia, Pennsylvania.

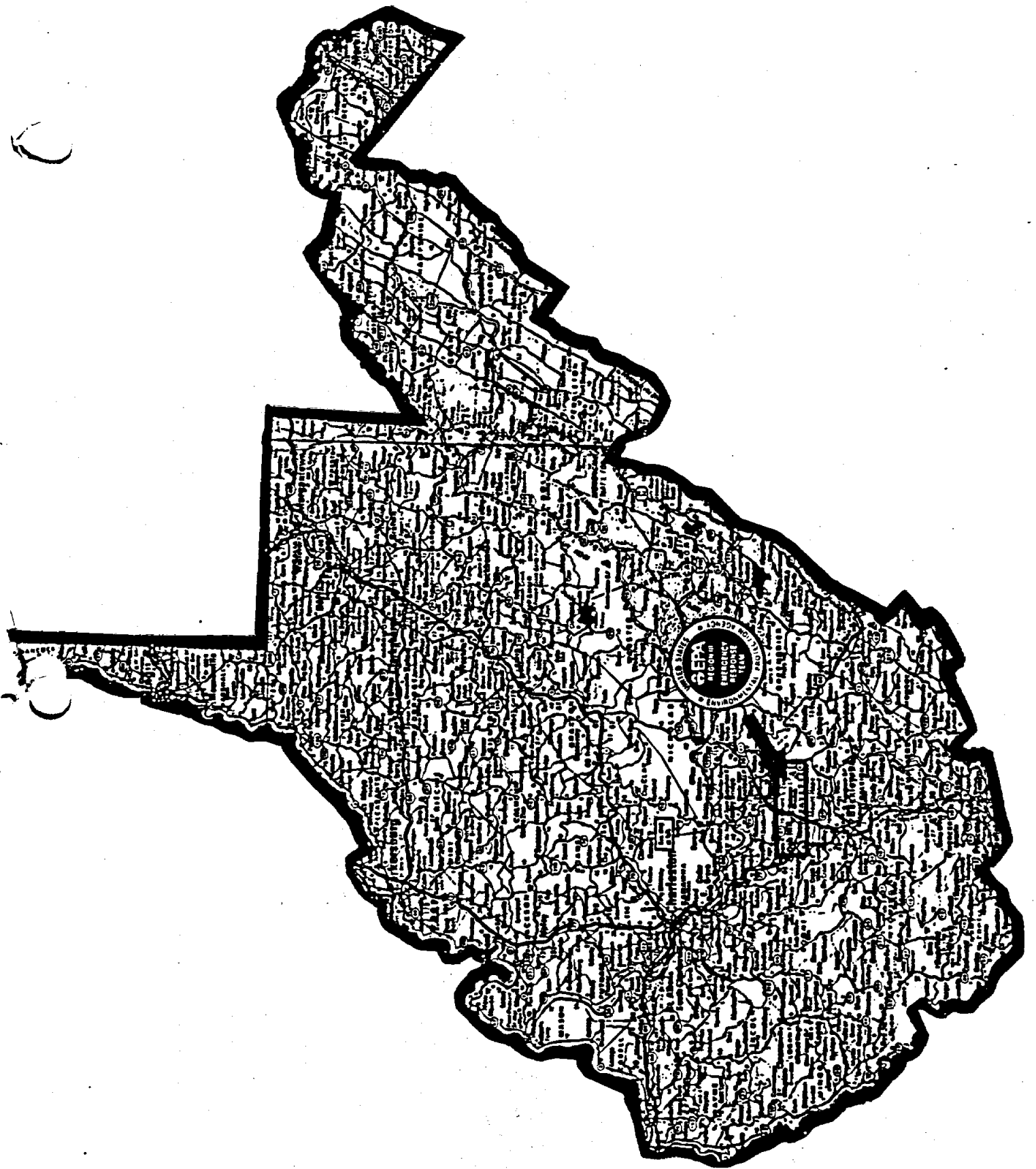
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SECTION IX
APPENDICES

100202

APPENDIX A
LOCATION MAP/SITE SKETCHES

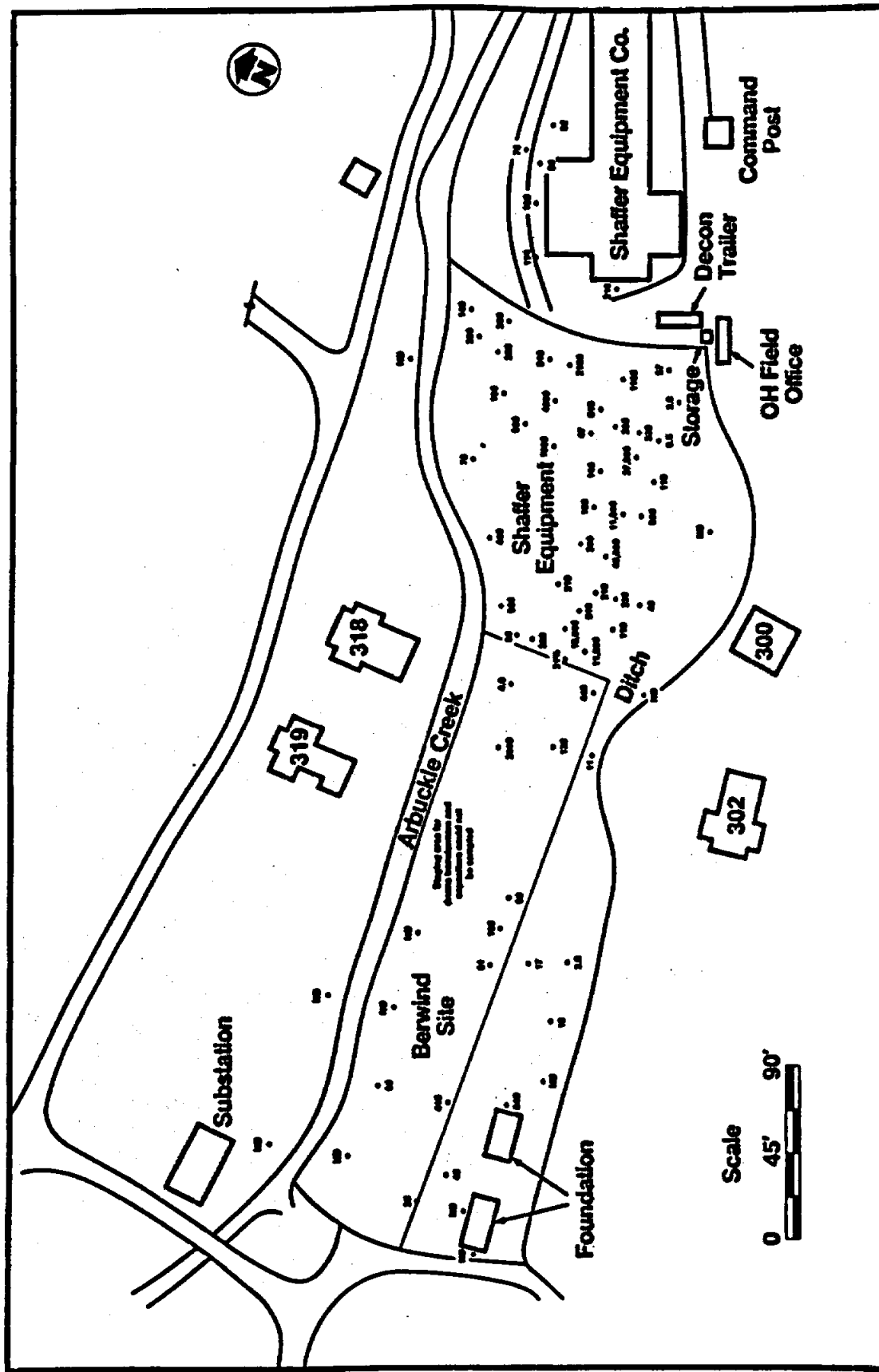
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Location map for Shaffer Equipment Site, Minden, West Virginia.

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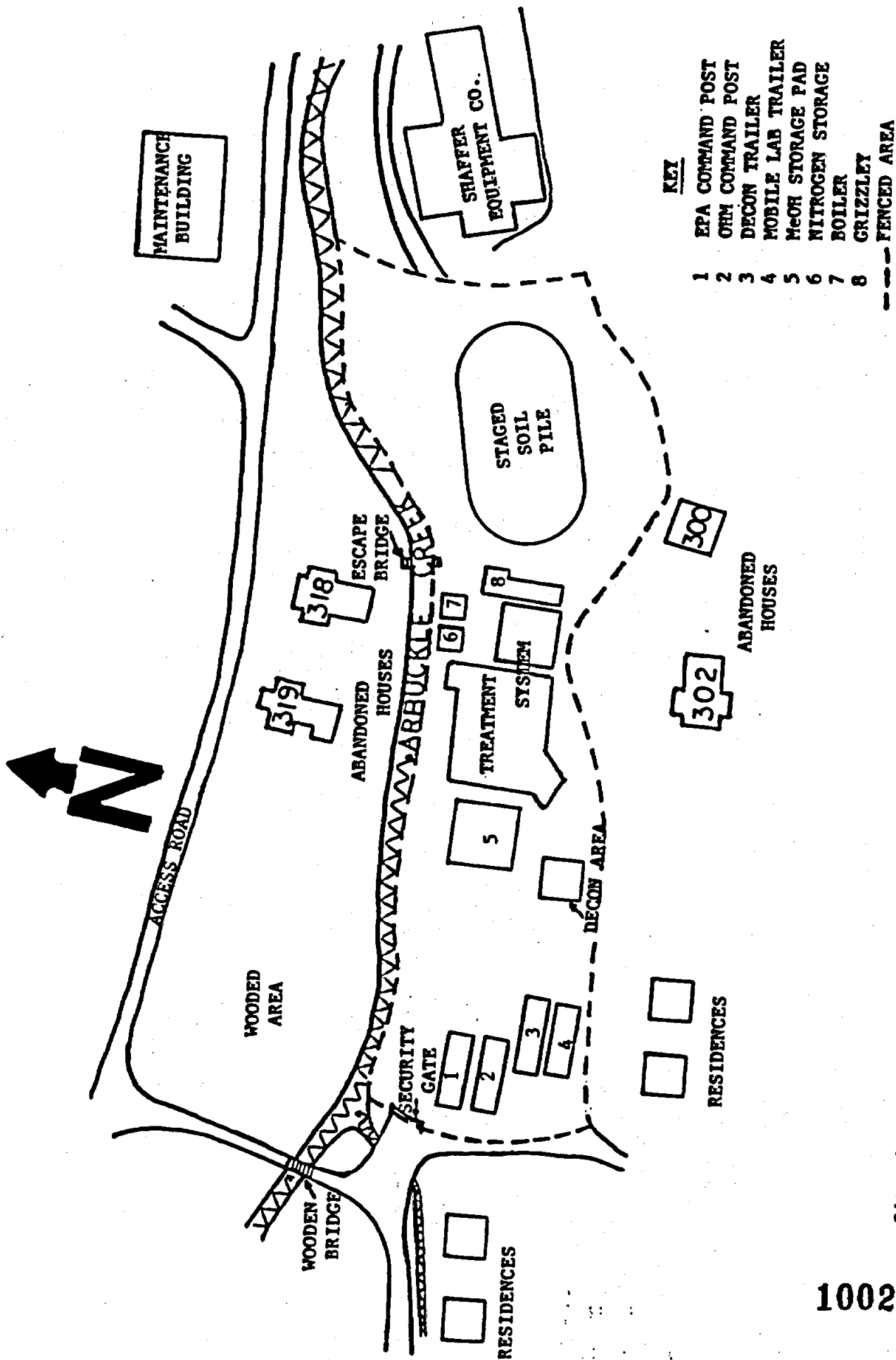


Site sketch, Shafter Equipment Co.
Minden, West Virginia.

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Site sketch, Shaffer Equipment Site, Minden, West Virginia

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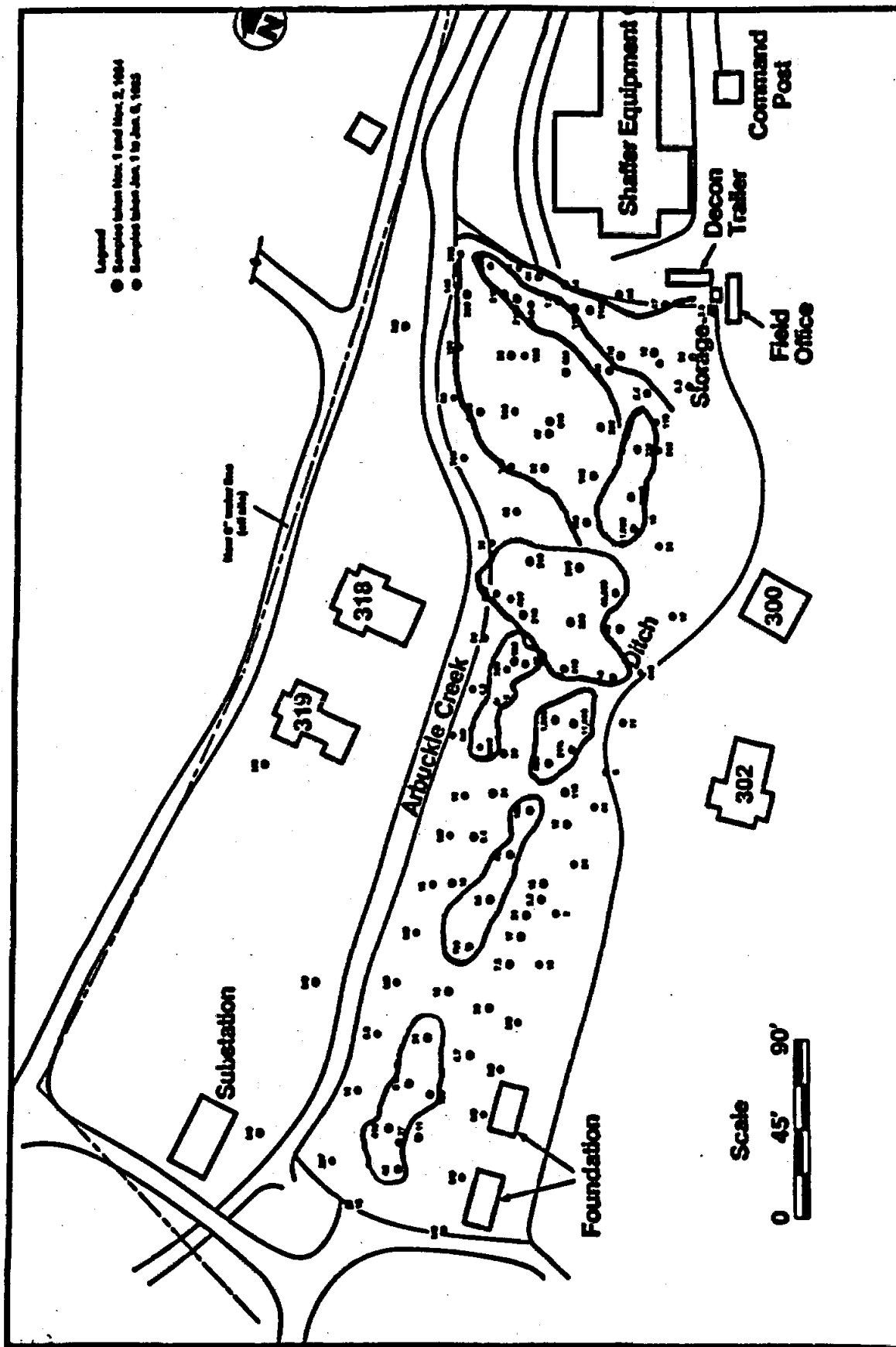


Figure 1. Extent of Contamination
Shaffer Equipment Co., Minden, West Virginia.

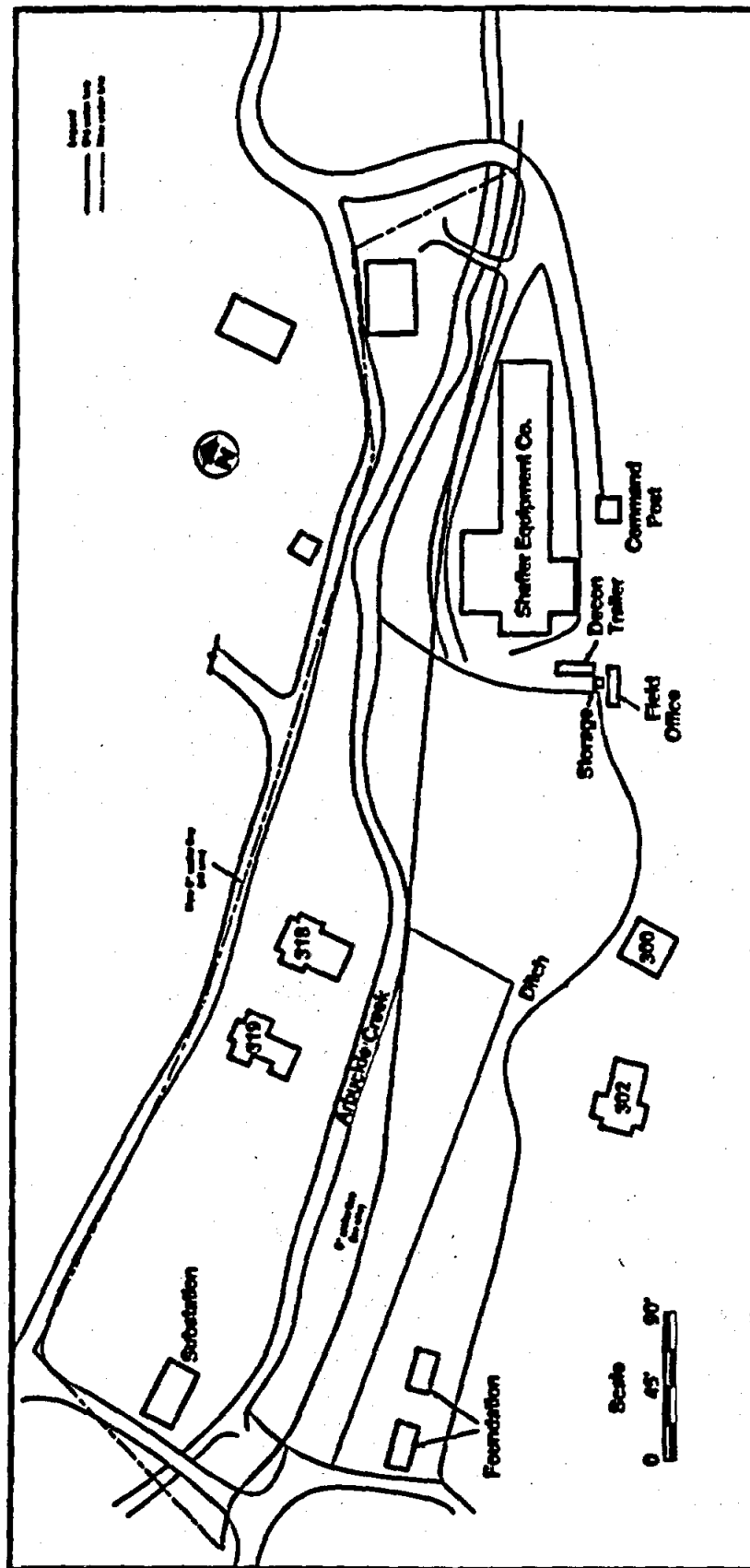


Figure 2. New water line, Shaffer Equipment Co.
Minden, West Virginia.

100208

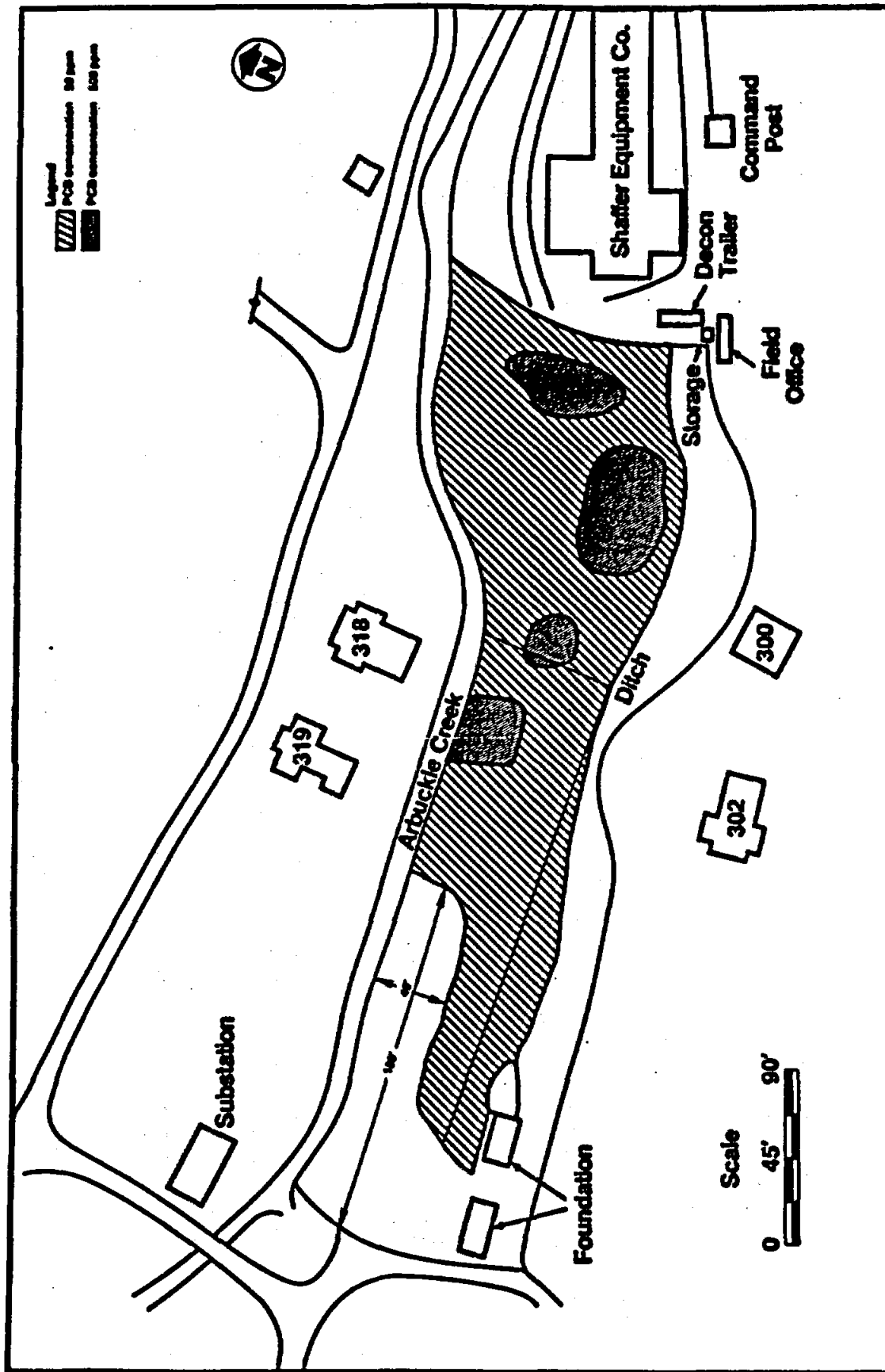


Figure 3. PCB concentration, Shafter Equipment Co. Minden, West Virginia.

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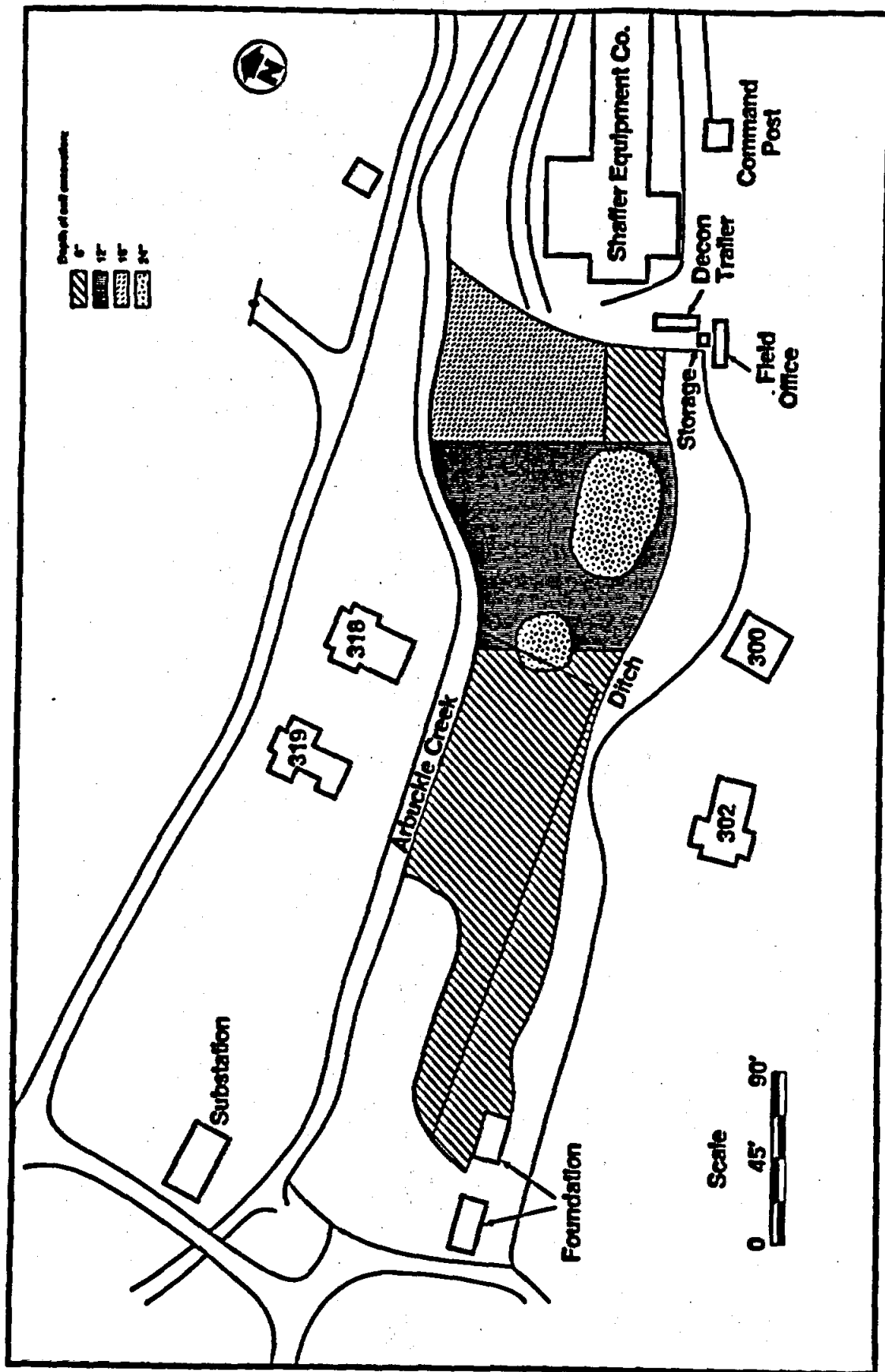


Figure 4. Proposed Soil Excavation Chart
Shaffer Equipment Co., Minden, West Virginia.

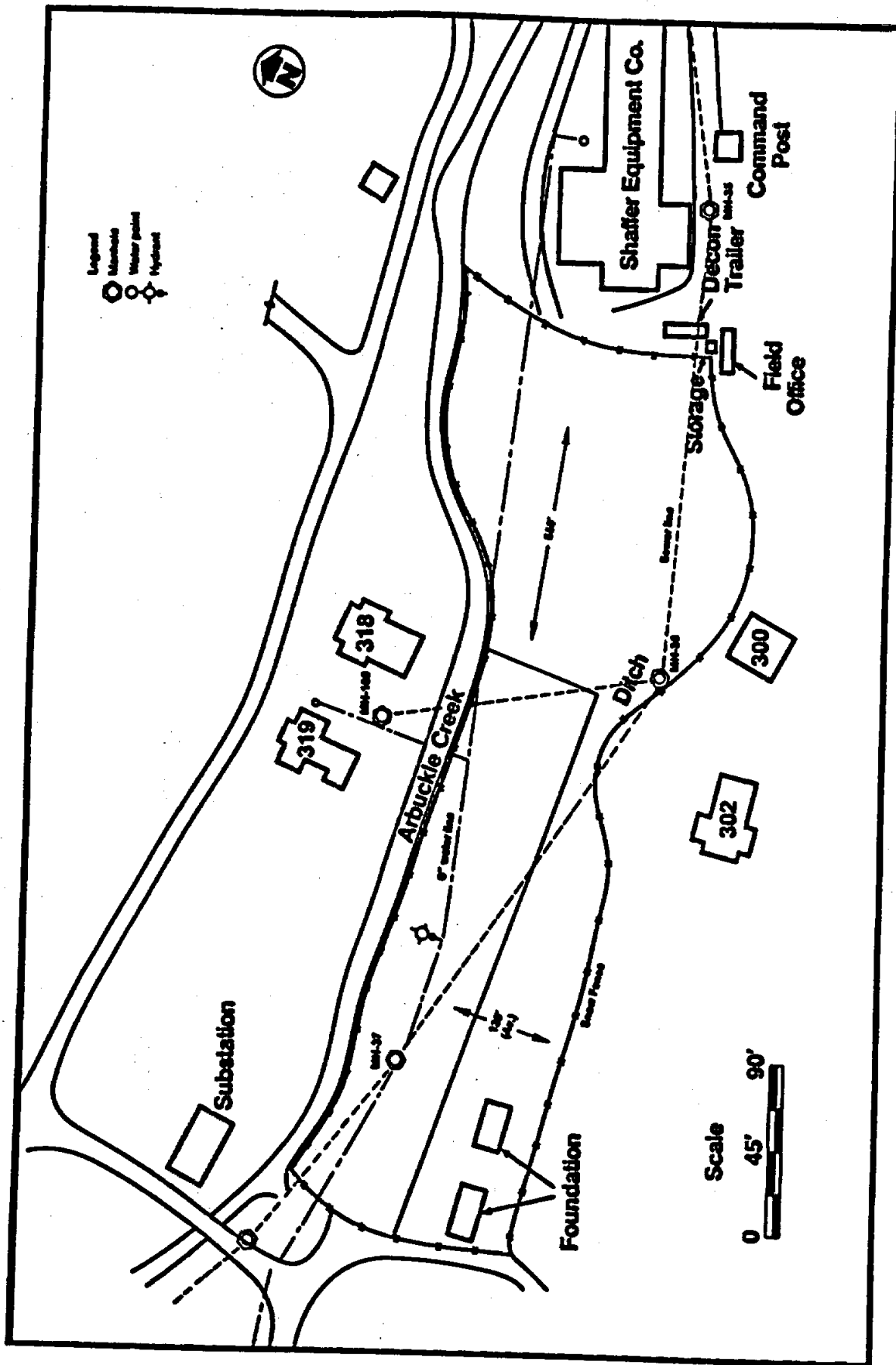


Figure 5. On site pipe/sewer line, Shafter Equipment Co.
Minden, West Virginia.

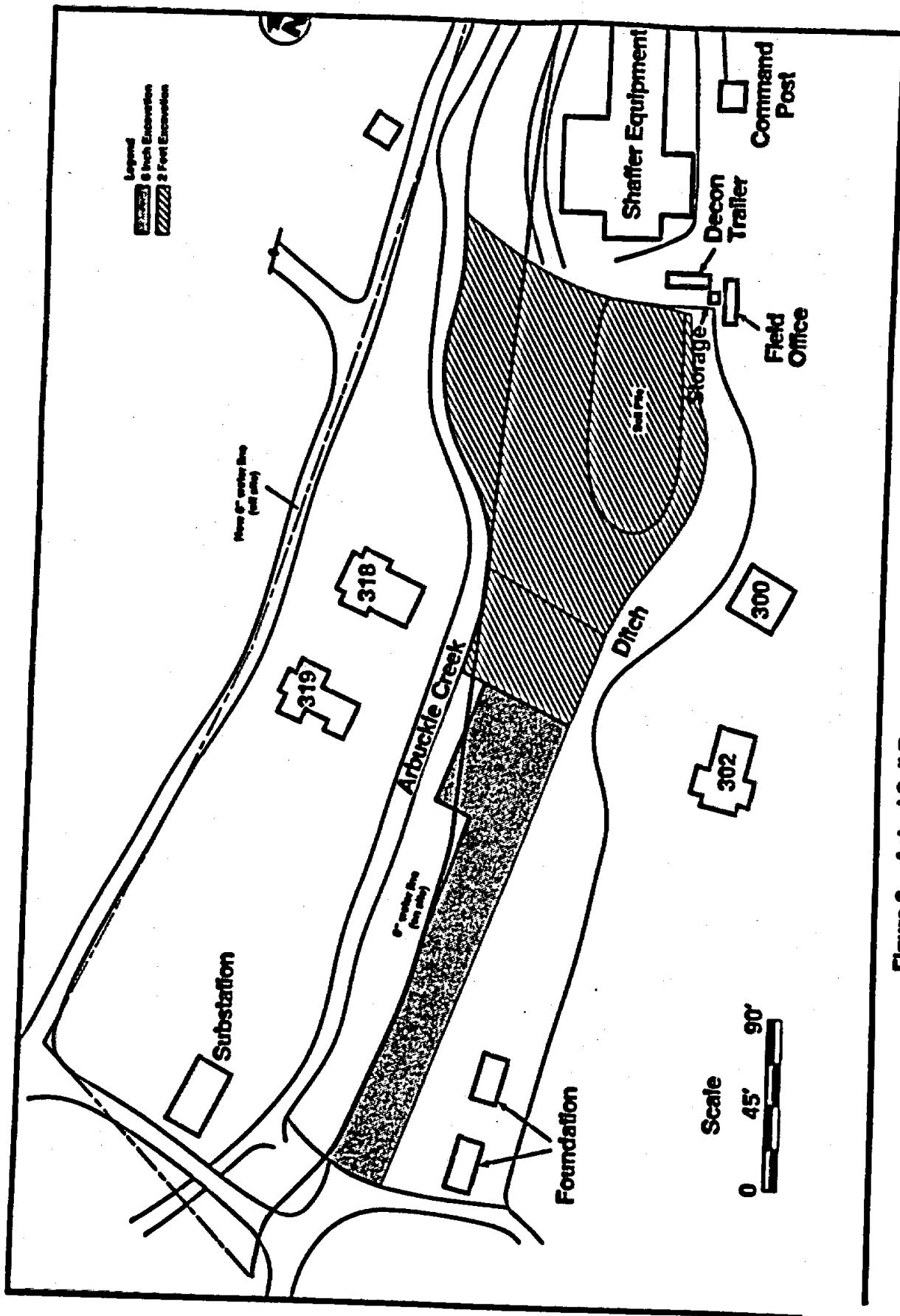


Figure 6. Actual Soil Excavation Chart
Shaffer Equipment Co., Minden, West Virginia.

II. Hazardous Substances Involved

PCB has been found in soils and sediment on site. Levels as high as 27% have been found in heavily stained soils. It is estimated that approximately 1000 cubic yards of soil has been contaminated with PCB in excess of 50 ppm. In addition, there are an estimated 150 transformers, 60 capacitors and 75 drums on site. Labels were found which indicate that some transformers and capacitors are filled with PCB fluids.

PCBs have been demonstrated to cause cancer in animals and are suspect human carcinogens. PCBs can cause liver damage, skin pigmentation and chloracne. PCBs can cross the placenta to a fetus and can concentrate in mothers' milk. PCBs may also increase the production of certain liver enzymes increasing the sensitivity to other chemicals. PCBs also are known to bioaccumulate, becoming incorporated in the fatty tissue and can therefore, contaminate the food chain.

III. Methods Used to Gather Data

All sampling methodology was performed using EPA approval protocols. Laboratory data conforms to EPA procedures and is backed with quality control protocols, as specified by EPA.

IV. Threat to Human Health

It is estimated that between 65-75 people live within 400-500 feet from this site. The principle threat to human health appears to be from direct contact. The site is unfenced and is easily accessed. There are documented cases of vandalism on site involving transformers and capacitors by local youths. The nearest residence is less than 200 feet from the site and there is a basketball court located within 100 feet. The sampling program initiated during the preliminary assessment phase indicates that PCBs are migrating off site. PCB has been found in the sediment of Arbuckle Creek as high as 194ppm and was also detected in a stream water sample at 4 ppm. Arbuckle Creek flows directly through the town of Minden and eventually into the New River.

Who Certifies the Threat to Human Health

Dr. Mark McLanahan
Centers for Disease Control
Atlanta, Georgia

Dr. Abdul Qazi
West Virginia Department of Health

V. Threat to the Environment

PCBs have been shown to be migrating from the site to Arbuckle Creek. Levels as high as 190ppm have been shown to exist in stream sediments. A water sample collected downstream indicates that there are PCBs in the water column, however, laboratory analytical problems resulted in an artificially high reported value of 4ppm, probably due to the presence of suspended solids in the sample. Available data indicate that PCB is acutely toxic to freshwater aquatic life at levels in excess of 2 ppb. Also, as noted previously, PCBs are known to bioaccumulate and it has been shown that food chain contamination can occur when PCBs are present.

100213

06/10/84

VI. Summary of Overall Threat

Soils severely contaminated with PCB and unsecured PCB filled transformers and capacitors present a direct contact threat to nearby residents. Unsecured access and the close proximity of the residents makes this a likely possibility. PCBs have been shown to be migrating off site at significant levels into a nearby stream (Arbuckle Creek) which runs directly through the town of Minden, West Virginia.

VII. Expected Changes in Situation Should no Action be Taken

No action would allow for continued significant off site migration of PCBs into Arbuckle Creek which flows directly through the town of Minden, WV. In addition, continued contamination of soils by leaking PCB transformers and capacitors may enable off site migration of PCB contaminated soils directly into residential areas.

No action would allow the direct contact threat to continue. The site is unsecured, located within 200 feet of residential areas and is known to be frequented by local youths. Vandalism of transformers has been documented, causing additional spills and leaks.

VIII. Need for Federal Action

The State of West Virginia does not regulate PCBs and therefore has no jurisdiction over this incident. However, a State inspector is responsible for finding and reporting this site to EPA. A TSCA inspection was performed on October 30, 1984 and indicated that the present contamination on site probably occurred prior to the TSCA regulation. This report is presently in draft form only. Preliminary findings indicate that the present owner/responsible party is unable to perform an adequate cleanup due to monetary concerns. The nature of the contamination and the threat to public health requires the initiation of an Immediate Removal under CERCLA.

IX. Response Options

A) No Action - No action will allow the direct contact threat to continue and, in addition, PCB migration off site will continue, further spreading contamination and increasing the scope of the problem.

B) Containment Only - This option addresses only the off site migration problem. By erecting a fence the direct contact problem could be addressed. However, the nature of the soils (high porosity), the severity of the contamination (percent range) and the close proximity of both the stream and residences makes this a difficult option to complete. Engineering structures such as caps, covers and erosion control would be costly and require long term maintenance and sampling to insure integrity.

100214

CONFIDENTIAL

C) Proposed Option

- Phase I
- Initial short term containment
 - Control and Stabilize
 - Properly store and patch leaking transformers/capacitors
 - Use of berms, silt fence and grading to control off site migration
 - Temporary security measures (i.e. snow fence, signs and security guard)
 - Estimated 14 days

- Phase II
- Measuring and sampling
 - Identify complete scope of contamination problem
 - Identify areas of concern for work under Phase III
 - Estimated 14 days - Concurrent with Phase I

- Phase III
- Excavation, Disposal Feasibility Study
 - Determine total project scope for disposal
 - Investigate all available alternatives
 - Develop Accurate cost estimates
 - Estimated 60 days

- Phase IV
- Excavation, Disposal
 - To be developed in an additional funding request upon completion of Phase III.
 - Estimated 30 days

X. Proposed Response Action

The OSC considers the proposed response action (Section IX-C) to be the best available option to address this site. It provides for initial emergency measures to control and stabilize this site and further provides for time and funds to investigate best options and allow for a cost effective response.

Proposed Budget:

Phase I	- Initial containment - Control and stabilize	
	Estimated Costs	\$ 80,000
Phase II	- Measuring and Sampling	25,000
Phase III	- Disposal Feasibility Study	20,000
USCG/AST	-	15,000
TAT	-	20,000
	Total Extramural Cost	\$160,000
EPA (Intramural)		15,000
	Total Project Cost	\$175,000

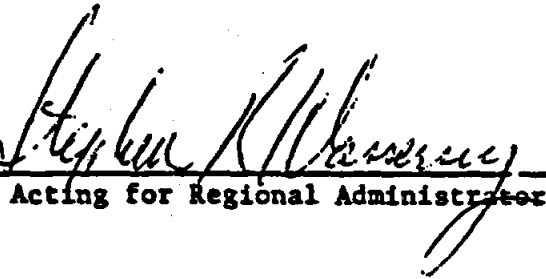
*Note: Phase IV - Excavation and Disposal to be covered in an additional funding request upon completion of Phases I, II and III.

100215

Regional Recommendation

Because conditions at the Shaffer Equipment Site are consistent with the Immediate Removal Criteria in Section 300.65 of the National Contingency Plan, I recommend you approve this Immediate Removal request. The estimated total project costs are \$175,000 of which \$160,000 are extramural cleanup contractor costs. You may indicate your approval or disapproval below.

Approval


Acting for Regional Administrator

Date

12/26/84

Disapproval

Date

Attachments

100216

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Additional Funding Request for the Shaffer
Equipment Site, Fayette County, Minden, WV

DATE:

FEB 15 1985

FROM: Stanley L. Laskowski
Acting Regional Administrator (3RA00)

TO: Jack W. McGraw
Acting Assistant Administrator for
Solid Waste and Emergency Response (WH-562A)

Pursuant to the April 16, 1984 Delegation 14-1-A, I have approved an increase to the subject Immediate Removal Action, increasing the extramural costs by \$625,000. The new approved total project ceiling is now \$800,000.

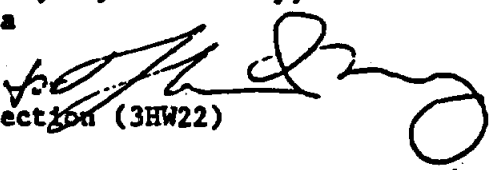
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100217

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Request for Additional Funds for the Shaffer
Equipment Company Site, Fayette County,
Minden, West Virginia

DATE: FEB 15 1985

FROM: Robert E. Caron, OSC 
Emergency Response Section (3HW22)

TO: Stanley L. Laskowski
Acting Regional Administrator (3RA00) 

THRU: Stephen R. Wassersug, Director
Hazardous Waste Management Division (3HW00)

Issue

Additional funds are necessary to complete corrective actions designed to eliminate the direct contact and off-site migration threats at the Shaffer Equipment Company Site, Minden, W.V. Funds will be used for additional site stabilization and disposal of hazardous substances.

Background

The initial request for immediate removal funds was approved on December 26, 1984. Funds were requested and approved for three of the four phases originally proposed. These three phases are as follows:

Phase I - Initial Containment, Control and Stabilize, Maintain Containment

Phase II - Measuring and Sampling

Phase III - Disposal Feasibility Study

Verbal and written notice was given to two potential responsible parties, Shaffer Equipment Company and the Berwind Land Corporation. Both parties have declined to undertake any cleanup activity and have verbally agreed to allow EPA to undertake corrective actions unhindered.

Discussion

On-site work commenced on December 28, 1984. Phases I and II are essentially complete. Phase III, the Disposal Feasibility Study is only partially complete due to the reasons explained below.

100218

Phase II, the measuring and sampling plan indicates that there is an estimated 2,000 cubic yards of PCB contamination from 50 ppm to 260,000 ppm. Three PCB transformers and 9 PCB capacitors were found on site, many in poor condition.

PCB has been shown to be migrating off site both mechanically (sediment carry) and in solution (024 ppm). Underflow dams, constructed to contain the oily runoff, have been effective in reducing the amount of off site migration, but have not eliminated off-site migration. PCB has been found in stream sediment at levels as high as 73 ppm (300 yards downstream). In addition, residential survey samples collected in floor zone areas indicate the presence of PCB at levels ranging from 11 - 15 ppm as far as one mile downstream. CDC has been consulted as regards these residential sample results. Preliminarily, it appears that there is no cause for immediate concern; however, these results indicate a need for more thorough sampling in the residential area. Further, the relatively high level encountered in the stream sediment (73 ppm) indicates that a potential exists for contamination in the residential areas (backyard) at a more significant level.

The OSC has determined that initial attempts to control and stabilize this site have been only marginally effective. The soil types and the close proximity of the stream, coupled with other related geologic factors, indicate that more thorough stabilization is necessary and an emergency situation still exists on site.

Options

A) No Action - No action will allow for the continued discharge of PCB to the stream. Flood events, not only enhance the discharge rate, but also allow for the spread of contamination directly to the residential area. The OSC has determined that this option is not acceptable as a significant threat to public health and the environment will continue to exist.

B) Containment Only - Although this is a potentially feasible option, this site is located in a flood prone area. In addition, the cost necessary to properly contain contaminants may be unreasonable. The OSC feels that due to geologic conditions found at this site, it is necessary to excavate and remove the contaminants from the flood prone area.

100219

C) Proposed Option - Due to the complete nature of this site, the proposed option includes an options analysis/feasibility study to be coordinated by the OSC and performed by ERT. In addition, the following items are proposed:

1) Transport and dispose of leaking, deteriorating PCB transformers and capacitors.

2) Reroute the PVC Waterline around the site to aid in case of excavation and eliminate any potential for drinking water contamination.

3) Excavate, remove contaminated soils and stage in a safe and secure area. Properly backfill and otherwise restore the site.

4) Perform an option analysis and feasibility study as regards disposal and/or containment and/or stabilization options, tentatively to be considered will include but not be limited to:

- On site incineration
- Solvent washing soils
- Microencapsulation
- PCB detoxification in-situ
- Slurry wall/capping

It should be noted that the OSC proposes to excavate and remove contaminated soils from the flood plain area and place them in a secure area on another non flood plain area on site. Soil type and other geologic factors will not allow for in-situ containment that would result in a reasonable chance for success. The study proposed in item 4 will result in an additional funding request. The options and cost will be developed at the completion of this study.

Proposed Option and Budget

1) Transport and Dispose of Transformers and Capacitors	\$ 80,000 Estimated 7 days
2) Reroute Water Line	\$ 20,000 Estimated 14 days
3) Excavate, Remove, Stage Contaminated Soils and Backfill/Restore	\$400,000 Estimated 30 days
4) Option Analysis/Feasibility Study (ERT/EERU)	\$ 75,000 Estimated 60 days

5) TAT	\$ 20,000
6) USCG/AST	<u>\$ 20,000</u>
Sub Total Extramural	\$615,000
Intramural EPA	<u>\$ 10,000</u>
Project Total	\$625,000
Funds Previously Approved	\$175,000
New Project Total	\$800,000

Enforcement

The OSC intends to issue a second notice to the property owners upon approval of this request. [REDACTED]

[REDACTED] It should be noted that previous notice given to Berwind Land Company was not effective in securing voluntary compliance.

Regional Recommendations

Because conditions at the Shaffer Equipment Company site meet the criteria as set forth in Section 300.65 of the National Contingency Plan, I recommend your approval of this additional immediate removal request.

The estimated additional project costs are \$625,000 of which \$615,000 are extramural cleanup contractor costs. This brings the total project costs to \$800,000, which includes the initial funding request of \$75,000, approved on December 26, 1984.

You may indicate your approval or disapproval by signing below:

Approval _____

Disapproval _____

Date _____

FEB 15 1985

100221

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: \$1,000,000 Exemption Request for CERCLA
Immediate Removal Action at the Shaffer
Equipment Site, Minden, West Virginia

DATE: AUG 15 1985

FROM: Robert E. Caron, On-Scene Coordinator
Emergency Response Section (3HW2)

TO: James M. Seif
Regional Administrator (3RA00)

THRU: Stephen R. Wassersug, Director
Hazardous Waste Management Division

Attached for your review is the additional funding and \$1,000,000 exemption request for immediate removal actions being conducted at the above site. The continued response action calls for the use of onsite treatment technologies to achieve final disposal of PCB contaminated soils presently staged onsite.

A funding increase of \$1,530,000 is being requested, bringing the total project ceiling to \$2,300,000.

Please review the document and if it meets with your approval, forward it directly to Dr. J. Winston Porter, Assistant Administrator of the Office of Solid Waste and Emergency Response, for his review and approval.

Attachment

100222

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Continuation of Removal Activities at the
Shaffer Equipment Company Site, Minden, W.V.

DATE: AUG 15 1985

FROM: James M. Seif *James M. Seif*
Regional Administrator (38A00)

TO: Dr. J. Winston Porter, Assistant Administrator
for Solid Waste and Emergency Response (WH-562A)

THRU: William N. Hedeman, Jr., Director
Office of Emergency and Remedial Response (WH-584)

ATTENTION: Timothy Fields, Director
Emergency Response Division (WH-548E)

Issue

Continued immediate response actions are estimated to exceed the \$1,000,000 statutory limit and further actions to control and stabilize the site cannot be undertaken unless an exemption to Section 104(c) of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) is granted and an increase in the project ceiling is approved. It is estimated that an additional \$1,530,000 will be required to complete the removal action.

Statutory Criteria

Section 104(c)(1) of CERCLA limits Federal Emergency Response to \$1,000,000 unless three basic criteria are met:

1. Continued response actions are immediately required to mitigate an emergency.
2. There is an immediate risk to public health and the environment.
3. Such assistance will not otherwise be provided on a timely basis.

100223

Background

The Environmental Protection Agency (EPA), Region III, initiated emergency action on December 26, 1984, to stabilize and otherwise abate an immediate and significant risk of harm to human life and the environment, posed by the presence of Polychlorinated Biphenyls (PCB) at extremely high levels in both electrical equipment and soils onsite. This action was approved in an immediate removal action memorandum signed by the Regional Administrator on December 26, 1984. (Attached). On February 15, 1985 an additional funding request was approved to continue operations at the site. Approximately \$720,000 has been expended from the \$800,000 total project ceiling. Work performed to date includes the following:

1. Measuring and sampling of transformers, capacitors, drums, soils and water both on and offsite.
2. Establishment of initial measures to contain a severe offsite migration problem.
3. Remove, transport and dispose of PCB containing transformers, capacitors and drums.
4. Excavation and staging of an estimated 4000 cubic yards of contaminated soils.
5. Backfill and regrade of excavated site.

Discussion

The Shaffer Equipment Site is located on the flood plain of Arbuckle Creek which has a normal flow of approximately 3000 gallons per minute. This creek floods on the average of seven times per year. Recent past flood history has been major in scope, fully involving the Shaffer Site and forcing evacuations downstream. Evidence of stream scouring and flood damage on the Shaffer property indicates that a major flood event would carry contaminants directly into the residential area.

The OSC has determined that removal and disposal of all PCB containing transformers, capacitors, drums and contaminated soils is the most appropriate action to eliminate the direct contact threat posed by the presence of high levels of PCB contamination in soils onsite. Initial efforts have halted PCB migration offsite into the nearby Arbuckle Creek. This offsite migration of PCB has been detected in residential backyards as far as one mile downstream, carried there by past flood events and resultant sediment deposition. Presently, the contaminated soils are staged in a temporary clay lined holding cell located in the flood plain of Arbuckle Creek.

Costs associated with this option are as follows: (total 4,000 cubic yards)

1. Total Cost at fill	\$680,400 (\$162/ton plus 5% tax)
2. Transportation Cost	525,000 (700 miles @ \$3/mile)
3. Labor (loading etc.)	80,000 (approx. 14 days)
4. TAT/USCG/AST	20,000
5. EPA	5,000
Total Estimated Costs	<u>\$1,310,400</u>

Time to completion is estimated at 14 days upon approvals at the fill.

Alternative #2 - Mobile Incineration With a Rotary Kiln (onsite)

This option requires a properly permitted mobile unit. At present there are only two units with the potential of being approved in a timely manner. These are the EPA mobile incinerator, presently tied up in Missouri, or a privately owned unit operated by ENSCO. The ENSCO unit is presently available. Costs associated with this option are as follows:

1. Total Cost of incineration (\$.20 per pound - 60 to 90 days at 6,000 lb/hour)	\$1,600,000.00
2. Labor (material handling) (\$2,000/day)	180,000.00
3. TAT - USCG/AST	20,000.00
4. EPA	10,000.00
Total Estimated Costs	<u>\$1,810,000.00</u>

Time to completion is estimated at 60 to 90 days upon permit approvals from both EPA and the State of West Virginia.

Alternative #3 - Solvent Extraction

This option requires a TSCA approval, which has already been granted by headquarters. (See attached letter dated July 3, 1985 from EPA Hqtrs.) Studies by both industry and EPA indicate that this option is effective both technically and monetarily. PCB removal efficiency has been demonstrated in excess of 95% utilizing the proposed technique. (See attached report.) Costs associated with this option are as follows:

This will be a two phased project:

1. A full scale field demonstration that proves conclusively the effectiveness of this technique.

Cost \$ 100,000

100225

2. After satisfactory activities under Phase I, the following is a breakdown of items and cost associated with the total remaining activities.

Cost

1. Total Treatment/Extraction Costs (includes labor and handling of soils and solvent recycle)	\$1,100,000
2. Solvent Costs (MEOH and Freon)	300,000
3. Incineration of Recovered Sludge (10,000 gallons @ \$10.00/ gallon offsite)	100,000
4. TAT - USCG/AST	20,000
5. EPA	10,000
Total Estimated Costs of Phase I and II	<u>\$1,530,000</u>

Total time to complete project is 60-90 days. The system is ready now pending fund approvals.

Conclusions

The investigation into alternative disposal techniques was prompted by the problems surrounding the landfilling of hazardous waste, as described on page three.

Onsite incineration presents problems in both approval requirements and public acceptability. Technically, it is the most sound option, since more complete destruction is achieved. However, public acceptability is a problem. The OSC requested an opinion from the State of West Virginia regarding the use of this option. The State is not in favor for two reasons: public opinion and the physical location of this site. The site is located in a valley surrounded by three large ridges. Air pollution, if it occurred, would concentrate in the valley area placing the population at risk.

Onsite solvent extraction using a closed system has several benefits, including public acceptability. All approvals required are easily secured and in fact have already been issued. PCB recoveries are in excess of 95%. The proposed system design will achieve a PCB recovery which will result in remaining PCB concentrations in the range of 0-25 ppm in extracted soils. A complete outline and analysis of this system is attached. A flow chart and schematic of the system is also included.

A six month exemption request has been submitted under separate cover.

Proposed Actions

Utilizing new onsite treatment technologies, the proposed action will involve:

100226

1. Demonstration onsite of the soil extraction system to include environmental analysis. This demonstration will be designed to illustrate the effectiveness of the PCB extraction and to identify any environmental impact which might occur as a result of the process.
2. Onsite treatment of the estimated 4,000 cubic yards of contaminated soil utilizing the soil solvent extraction technology which will result in an estimated 10,000 gallons of concentrated PCB sludge.
3. Either offsite fixed facility incineration of the PCB sludge or onsite destruction/detoxification. This onsite detoxification proposal will be dependent upon the proper approvals of the proposed molten salt detoxification equipment by EPA Headquarters, TSCA personnel.

The manner in which the Shaffer Equipment Company site meets the prescribed criteria for the one million dollar exemption is as follows:

1. Continued response actions are immediately required to mitigate an emergency.

An estimated 2,000 people live downstream, within one mile of the site. At present, due to geologic and property ownership factors, the 4,000 cubic yards of contaminated soil is located in the flood plain of Arbuckle Creek, approximately 50 yards from the stream banks. This stream commonly flows at an estimated 3,000 gallons per minute. An analysis of past flood history indicates that Arbuckle Creek can flood on the average of three to seven times a year. Geologically, the stream and the watershed are surrounded on three sides by mountain ridges which commonly result in flash flooding. A serious flood event would involve the Shaffer Equipment Company property and would result in the destruction of the integrity of the holding cell and the resultant carryout of contaminated soils downstream, into the residential area. In fact, past history indicates that this has already occurred, since PCB has been found in residential backyards as high as 17 ppm.

2. There is an immediate risk to public health and the environment.

The Centers for Disease Control (CDC) has already certified that the high levels encountered at the site present an imminent and significant public health threat. This highly contaminated soil still remains onsite. As discussed in item 1, a flood event could result in the spread of this contaminated soil directly toward and into the residential area.

3. Assistance will not otherwise be provided on a timely basis.

The responsible parties have declined to undertake corrective actions at this site, due to financial inability to do so. The CERCLA enforcement section has spent considerable effort on investigating other possible responsible parties. Other than a second property owner who owns a small portion of this site, no other viable responsible parties have been

located. The second property owner has declined to take action since he owns only a small portion of the affected area.

The State of West Virginia does not have the necessary resources to handle a site of this magnitude.

The Shaffer Equipment Company site is not presently on the National Priorities List. Region III SISS personnel are presently scoring this site for possible inclusion of the NPL; however, there is a need for more immediate action.

Request for Ceiling Increase

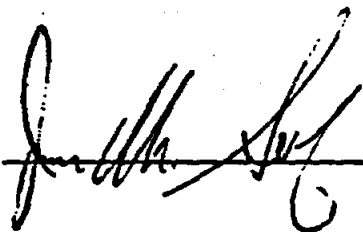
As discussed previously, the cost to complete this project, utilizing the proposed option, is estimated to be \$1,530,000. Based on this estimated cost, I hereby request an increase in the project ceiling, bringing the new total to \$2,300,000.

Recommendations

Based on the information contained herein, I recommend that you concur in the \$1 million exemption (CERCLA 104(c)(1)) and approve the additional \$1,530,000 (\$1,500,000 Extramural, \$30,000 Intramural) needed to continue emergency response actions and mitigate this immediate threat to public health.

You may indicate your approval or disapproval by signing below. Due to the immediacy of this removal action, I would appreciate rapid consideration of the proposal and approval of the additional funds.

APPROVAL



Date

5/15/85

DISAPPROVAL

Date

100228

APPENDIX B
FUNDING DOCUMENTATION

100229

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region III - 6th & Walnut Sts.
Philadelphia, Pa. 19106

SUBJECT: Justification for Approval of an Immediate
Removal Action at the Shaffer Equipment
Company Site, Pittsburgh, Pennsylvania

DATE: DEC. 26 1984

FROM: Thomas P. Eichler
Regional Administrator (3RA00)

TO: Jack W. McGraw
Deputy Assistant Administrator for
Solid Waste and Emergency Response (WH-562A)

Issue

The attached CERCLA Funding Request pertains to the Shaffer Equipment Company Site in Minden, West Virginia.

A preliminary assessment performed in accordance with the National Contingency Plan by my staff and State personnel has identified a direct contact threat and serious off site migration threat posed by the presence of PCB in contaminated soils which presents an imminent and substantial threat to the public health and the environment.

Background

Section 104 of CERCLA calls for the initiation of an Immediate Removal Action whenever there is a release or a substantial threat of a release into the environment of any pollutant or contaminant which may present an imminent and substantial danger to the public health and/or the environment.

Pursuant to Delegation of Authority 14-1-A (4/16/84), which authorizes the Regional Administrator to approve CERCLA Removal Actions with a total cost of less than \$1,000,000, I have approved the use of CERCLA funds to control and stabilize this site.

Attachments

100230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region III - 6th & Walnut Sts.

Philadelphia, Pa. 19106

SUBJECT: Immediate Removal Request for the Shaffer
Equipment Site, Fayette County, Minden,
West Virginia

DATE: DEC, 26, 1979

FROM: Robert E. Caron, On-Scene Coordinator
Emergency Response Section (3HW22)

TO: Thomas P. Eichler
Regional Administrator (3RA00)

THRU: Stephen R. Wassersug, Director
Hazardous Waste Management Division (3HW00)

I. General Information

A preliminary assessment performed in accordance with the National Contingency Plan has identified an immediate and significant risk of harm from a direct contact threat posed by the presence of severely contaminated soils and leaking transformers and capacitors containing polychlorinated biphenyls (PCBs) located on this site.

The Shaffer Equipment Company site is located on West Virginia Route 17 in Minden, West Virginia. Minden is a small coal town located in Fayette County with approximately 2000 residents. There are an estimated 65-75 people who live within 1/8 mile of the site. The Shaffer Equipment Company is an operating firm that builds electrical substations for the local coal mining industry. Many of their units incorporate various sizes of transformers, capacitors, switches and other voltage regulation/distribution devices. The company has operated since 1970. Past practices involved the storage of unneeded, damaged or outdated transformers and capacitors on the one acre site. Leakage from these units and associated storage practices appears to be responsible for the severe PCB contamination problem that presently exists on site.

The site is approximately one acre in size and contains a single building which is both a workshop/warehouse and office. The site is relatively flat and slopes toward the west. Arbuckle Creek is located down gradient and to the west and has been shown to contain PCBs in the sediment. (194ppm)

The State Official requesting assistance is:

Mr. Ron Shipley, Assistant Director
Department of Natural Resources
State of West Virginia
1800 Washington Street, East
Charleston, W.Va. 25305
(304) 348-2754

100231


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Exemption from the Six Month Statutory Limit
for CERCLA Removal Action at the Shaffer
Equipment Co. Site, Minden, West Virginia

DATE: AUG 15 1984

FROM: James M. Seif 
Regional Administrator (SRA00)

TO: Dr. J. Winston Porter, Assistant Administrator
for Solid Waste and Emergency Response (WH562A)

Pursuant to the April 16, 1984, Delegation 14-1-A, I have approved
the exemption for the six month ceiling for this site.

100232

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Continuation of Removal Activities at the
Shaffer Equipment Site, Minden, West Virginia

DATE: AUG 15 1985

FROM: Robert E. Caron, On-Scene Coordinator
Emergency Response Section (3HW22)

TO: James M. Saif
Regional Administrator (3RA00)

Stephen R. Wassersug, Director
Hazardous Waste Management Division (3HW00)

Issue

Continued immediate response actions are estimated to exceed the six month statutory limit and actions to control and stabilize the site cannot be continued unless an exemption to Section 104(c) of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) is granted. The six month CERCLA limit for this site is June 26, 1985. A \$1,000,000 exemption request for this site is being submitted under separate cover.

Statutory Criteria

Section 104(c) of CERCLA limits Federal Emergency Response to six months unless three basic criteria are met:

1. Continued response actions are immediately required to mitigate an emergency.
2. There is an immediate risk to public health and the environment.
3. Such assistance will not otherwise be provided on a timely basis.

Background

The Environmental Protection Agency (EPA), Region III, initiated emergency action on December 28, 1984, to stabilize and otherwise abate an immediate and significant risk of harm to human life and the environment posed by the presence of Polychlorinated Biphenyls (PCB) at extremely high levels in both electrical equipment and soils onsite. This action was approved in an immediate removal action memorandum signed by the Regional Administrator on December 27, 1984. (Attached). On February 15, 1985 an additional funding request was approved to continue operations at the site. Approximately \$720,000 has been expended from the \$800,000 total project ceiling. Work performed to date includes the following:

100233

1. Measuring and sampling of transformers, capacitors, drums, soils and water both on and offsite.
2. Establishment of initial measures to contain a severe offsite migration problem.
3. Remove, transport and dispose of PCB containing transformers, capacitors and drums.
4. Excavation and staging of an estimated 4,000 cubic yards of contaminated soils.
5. Backfill and regrade of excavated site.

The OSC has determined that removal and disposal of all PCB containing transformers, capacitors, drums and contaminated soils is the most appropriate action to eliminate the direct contact threat posed by the presence of high levels of PCB contamination in soils onsite. Initial efforts have halted PCB migration offsite into the nearby Arbuckle Creek. This offsite migration of PCB has been shown to be responsible for the presence of PCB in residential backyards as far as one mile downstream, carried there by past flood events and resultant sediment deposition. Presently, the contaminated soils are staged in a temporary clay lined holding cell located in the flood plain of Arbuckle Creek. Site characteristics and property ownership dictated this soil staging area.

Past experience with conventional disposal practices (landfill) for immediate removal projects have demonstrated problems, including:

1. Inaccessability to nearby landfills to accept hazardous waste material in a timely fashion.
2. Inaccessability to nearby landfills has forced EPA, Region III to look at landfilling options as far west as California and as far south as Alabama. Transportation costs are prohibitively expensive in such cases.
3. Creation of a long term responsibility at these current landfills where EPA can be considered a generator of the hazardous waste material.

Therefore, EPA must consider other options/technologies other than convential landfilling that may not be cost effective from a short term perspective, but are a viable alternative when evaluating the long term disposal options. Site specific detoxifications are available and must be evaluated accordingly. There are also several advantages to consider when utilizing onsite specific treatment, detoxification or destruction technologies, including:

1. Promote RCRA (i.e. promote resource conservation and recovery).
2. Minimize use of valuable offsite land (resources).
3. Eliminate transportation costs to disposal facilities.
4. Eliminate public threat when transporting hazardous materials.
5. Eliminate EPA liability as a generator should landfill fail.
6. Promote innovative state-of-the-art technology.

The OSC reviewed fifteen different alternative technologies in terms of feasibility, availability and cost effectiveness. Contacts were made with industrial, consultant and government entities to seek the most up-to-date information. The OSC utilized the Environmental Response Team, Headquarters OSWER and the TAT contractor to develop and review a report summarizing the technology review. This report entitled "PCB Contaminated Soil Treatment/Disposal Alternatives" is attached to this request.

The following technologies were reviewed:

1. Mobile Incineration with a Rotary Kiln
2. Microwave Plasma Detoxification
3. High Temperature Fluid Wall
4. Solvent Extraction (onsite)
5. Solvent Extraction (in-situ)
6. Decontamination of soils using Franklin Solvent
7. Solvent Extraction using the Accurex Process
8. Slurry Wall
9. Grouting
10. Microencapsulation
11. Macroencapsulation
12. Fixation/Stabilization
13. Hazardous Waste Landfill (onsite)
14. Hazardous Waste Landfill (offsite)
15. Incineration offsite.

Due to site conditions, the nature of the contaminant and the location of the site (flood plain), many of the onsite alternatives are not appropriate since confidence in the integrity of structures and or stabilization is questionable. Since the site is unstable, that is, flooding occurs regularly, it is necessary to remove the contaminant or, at a minimum, reduce the level of the contaminant. With this in mind, review by both the OSC and the above mentioned organizations have identified only three disposal options that are feasible, cost effective, environmentally sound and immediately available. These three options are:

1. Mobile incineration with a Rotary Kiln (onsite).
2. Solvent Extraction (onsite).
3. Hazardous Waste Landfill (offsite).

100235

It should be noted that many of the other alternatives considered appear attractive; however, in most cases the processes are in design or demonstration phases of development. Use onsite at this time would require large capital outlay and would not be timely. Attached is a two page comparison summary sheet which lists all the considered alternatives.

Each of the three identified viable alternatives were evaluated as follows:

1. Technical Feasibility
2. Cost
3. Time to complete project
4. Environmental Effectiveness
5. Commercial availability
6. Institutional factors (i.e. permits)
7. Material handling factors
8. Public acceptability
9. Monitoring requirements (real time - long term)
10. Non site-specific application.

Costs and time scales for each alternative are presented below:

Alternative #1 - Offsite Hazardous Waste Landfill

This option, as described in the TSCA PCB regulations, requires a proper PCB permitted disposal facility. At present, only two facilities are available within a reasonable distance from this site. These are the Chemical Waste Management Landfill in Emelle, Alabama, and the SCA Landfill in Model City, New York. Of the two landfills, the Emelle location is more desirable since transportation costs are considerably less. (See attached report for more detailed analysis.)

Costs associated with this option are as follows: (total 4,000 cubic yards)

1. Total cost at fill	\$680,400 (\$162/ton plus 5% tax)
2. Transportation Cost	525,000 (700 miles @ \$3/mile)
3. Labor (loading etc.)	80,000 (approx. 14 days)
4. TAT/USCG/AST	20,000
5. EPA	5,000
Total Estimated Costs	<u>\$1,310,400.00</u>

Time to completion is estimated at 14 days upon approval at the fill.

Alternative #2 - Mobile Incineration With a Rotary Kiln (onsite)

This option requires a properly permitted mobile unit. At present there are only two units with the potential of being approved in a timely manner. These are the EPA mobile incinerator, presently tied up in Missouri, or a privately owned unit operated by ENSCO. The ENSCO unit is presently available. Costs associated with this option are as follows.

1. Total Cost of incineration (\$.20 per pound - 60 to 90 days at 6,000 lb/hour)	\$1,600,000.00
2. Labor (material handling) (\$2,000/day)	180,000.00
3. TAT - USCG/AST	20,000.00
4. EPA	10,000.00
Total Estimated Costs	<u>\$1,810,000.00</u>

Time to completion is estimated at 60 to 90 days upon permit approvals from both EPA and the State of West Virginia.

Alternative #3 - Solvent Extraction

This option requires a TSCA approval, which has already been granted by headquarters. (See attached letter dated July 3, 1985 from EPA Hqtrs.) Studies by both industry and EPA indicate that this option is effective both technically and monetarily. PCB removal efficiency has been demonstrated in excess of 95% utilizing the proposed technique. (See attached report.) Costs associated with this option are as follows:

This will be a two phased project:

1. A full scale field demonstration that proves conclusively the effectiveness of this technique.

Cost \$ 100,000

2. After satisfactory activities under Phase I the following is a breakdown of items and cost associated with the total remaining activities.

Cost

1. Total Treatment/Extraction Costs (includes labor and handling of soils and solvent recycle)	\$1,000,000
2. Solvent Costs (MEOH and Freon)	300,000
3. Incineration of Recovered Sludge (10,000 gallons @ \$10.00/gallon offsite)	100,000
4. TAT - USCB/AST	20,000
5. EPA	10,000
Total Estimated Costs of Phase I and II	<u>\$1,530,000</u>

100237

Total time to complete project is 60-90 days. The system is ready now pending approval of funding.

Conclusions

The investigation into alternative disposal techniques was prompted by the problems surrounding the landfilling of hazardous waste, as described on page three.

Onsite incineration presents problems in both approval requirements and public acceptability. Technically it is the most sound option, since complete destruction is achieved. However, public acceptability is a problem. The OSC requested an opinion from the State of West Virginia regarding the use of this option. The State is not in favor for two reasons: public opinion and the physical location of this site. The site is located in a valley surrounded by three large ridges. Air pollution, if it occurred, would concentrate in the valley area placing the population at risk.

Onsite solvent extraction using a closed system has several benefits, including easier achievement of public acceptability. All required approvals are easily secured and in fact have already been issued. PCB recoveries are in excess of 95%. The proposed system design will achieve a PCB recovery which will result in remaining PCB concentrations in the range of 0-25 ppm in extracted soils. A complete outline and analysis of this system is attached. A flow chart and schematic of the system is also included.

A \$1,000,000 Exemption Request will be submitted under separate cover. The OSC estimates that at least \$1,530,000 in additional funds will be required, raising the total project ceiling to \$2,330,000.

Proposed Actions

Utilizing new onsite treatment technologies, the proposed action will involve:

1. Demonstration onsite of the soil extraction system to include environmental analysis. This demonstration will be designed to illustrate the effectiveness of the PCB extraction and to identify any environmental impact which might occur as a result of the process.
2. Onsite treatment of the estimated 4,000 cubic yards of contaminated soil utilizing the soil solvent extraction technology which will result in an estimated 10,000 gallons of concentrated PCB sludge.
3. Either offsite fixed facility incineration of the PCB Sludge or onsite destruction/detoxification. This onsite detoxification proposal will be dependent upon the proper approval of the proposed molten salt detoxification equipment by EPA Headquarters TSCA personnel.

100238

The manner in which the Shaffer Equipment Company site meets the prescribed criteria for the six month exemption is as follows:

1. Continued response actions are immediately required to mitigate an emergency.

An estimated 2,000 people live downstream within one mile of the site. At present, due to geologic and property ownership factors, the 4,000 cubic yards of contaminated soil is located in the flood plain of Arbuckle Creek, approximately 50 yards from the stream banks. This stream commonly flows at an estimated 3,000 gallons per minute. An analysis of past flood history indicates that Arbuckle Creek can flood on the average of three times per year. Geologically, the stream and the watershed are surrounded on three sides by mountain ridges which commonly result in flash flooding. A serious flood event would involve the Shaffer Equipment Company property and would result in the destruction of the integrity of the holding cell and the resultant carry out of contaminated soils downstream into the residential area. In fact, past history indicates that this has already occurred since PCB has been found in residential backyards as high as 17 PPM.

2. There is an immediate risk to public health and the environment.

The Centers for Disease Control (CDC) has already certified that the high levels encountered at the site present an imminent and significant public health threat. This highly contaminated soil still remains onsite. As discussed in item 1, a flood event could result in the spread of this contaminated soil directly toward and into the residential area.

3. Assistance will not otherwise be provided on a timely basis.

The responsible parties have declined to undertake corrective actions at this site due to financial inability to do so. The CERCLA enforcement section has spent considerable effort investigating other possible responsible parties. Other than a second property owner who owns a small portion of this site, no other viable responsible parties have been located. The second property owner has declined to take action since it owns only a small portion of the affected area.

The State of West Virginia does not have the necessary resources to handle a site of this magnitude.

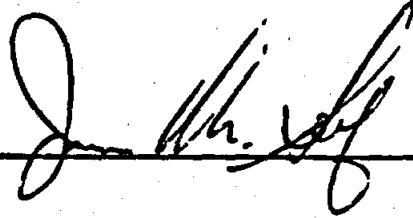
The Shaffer Equipment Company site is not presently on the National Priorities List. Region III SISS personnel are presently scoring this site for possible inclusion on the NPL.

Recommendations

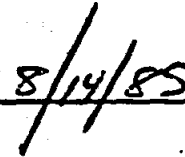
Based on the information contained herein, I recommend that you approve an exemption from the six month limit to allow continued removal activities at the Shaffer Equipment Company Site.

You may indicate your approval or disapproval by signing below. Due to the immediacy of this removal action, I would appreciate your rapid consideration of this proposal.

APPROVAL



DATE



DISAPPROVAL _____

DATE _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 28 1985

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

MEMORANDUM

SUBJECT: Continuation of Immediate Removal at Shaffer Chemical Site in
Minden, West Virginia -- ACTION MEMORANDUM

FROM: Timothy Fields, Jr., Director *Tim Fields, Acting*
Emergency Response Division

THRU: William N. Hedeman, Jr., Director *Bill Hedeman*
Office of Emergency and Remedial Response

TO: J. Winston Porter
Assistant Administrator

Attached is a request from the Regional Administrator, Region III, for continuation of immediate removal activities beyond the \$1 million statutory limit at the Shaffer Chemical Site in Minden, West Virginia.

While solvent extraction, the alternative selected for this site, is costlier than the option of offsite landfill disposal, it should be noted that the estimated cost difference is less than \$300,000. This relatively small price is justified in light of the benefits discussed below.

Given the potential future environmental damage that would result from a release from the landfill to which the PCB materials were sent, the alternative of solvent extraction, which would render the material harmless, appears to be the most long-term cost-effective and environmentally prudent selection. Moreover, EPA is experiencing increasing difficulty in landfill disposal of hazardous wastes, particularly PCBs, not only from the point of the number of landfills which are consistently out of RCRA compliance, but also because of increasingly negative public reactions to landfilling such materials.

Recommendation

Based upon information submitted by Region III, conditions at this site meet the criteria for continuation of Immediate Removal set forth in Section 104(c) of CERCLA and Section 300.65 of the National Contingency Plan. I recommend that you grant an exemption from the \$1 million statutory limit for the subject removal action for a ceiling increase of \$1,530,000, of which \$1,500,000 will be used for cleanup contractors, and to establish a new project ceiling of \$2,300,000.

100241

Approve: *Tim Fields, Acting*

Date: 8-27-85

Disapprove: _____

Date: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 26 1985

OFFICE OF
GENERAL COUNSEL

MEMORANDUM

TO: J. Winston Porter
Assistant Administrator for
Solid Waste and Emergency Response (WH-562A)

FROM: Lisa K. Friedman *LF*
Associate General Counsel (LF-132S)

SUBJECT: Shaffer Chemical Site: Removal
Extension Request

[REDACTED]

[REDACTED]

100242



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D. C. 20460

ORIGINAL
100-1

OCT 23 1987

OFFICE OF
GENERAL COUNSEL

MEMORANDUM

SUBJECT: Ceiling increase request in Connection with the
\$2 Million Exemption for the Shaffer Equipment
Company Site in Minden, W. Va.

FROM: Lee K. Tyner . . . *LT*
Attorney
Solid Waste and Emergency Response
Division (LE-132S)

TO: J. Winston Porter
Assistant Administrator
for Solid Waste and Emergency
Response (WH-562A)

THRU: Lisa K. Friedman *LKF*
Associate General Counsel

100243

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

ORIGINAL
(red)

OCT 07 1987

SUBJECT: Continuation of Removal Activities at the
Shaffer Equipment Company Site, Minden, W. Va. DATE: *[Signature]*
FROM: Robert E. Caron, Senior On-Scene Coordinator
Emergency Response And Preparedness Section (3RA22)
TO: James M. Seif
Regional Administrator (3RA00)

Attached for your review is the additional funding request for the above site. A \$1,000,000 Exemption Request was approved on August 29, 1985 bringing the project ceiling to \$2,330,000. A funding increase of \$1,311,100.00 is being requested bringing the total project ceiling to \$3,641,100.00.

Please review the document and if it meets with your approval, forward it directly to Dr. J. Winston Porter, Assistant Administrator of the Office of Solid Waste and Emergency Response, for his review and approval.

Attachment

100244

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

ORIGINAL
(100)

SUBJECT: Continuation of Removal Activities at the Shaffer Equipment Company Site, Minden, W.VA. **DATE:** OCT 7 1987

FROM: James M. Seif, Regional Administrator (3RA00)

TO: Dr. J. Winston Porter, Assistant Administrator
Solid Waste and Emergency Response (WH-548B)

THRU Henry L. Longest, Director
Emergency Response Division (WH-548B)

ATTENTION Timothy Fields, Director
Emergency Response Division (WH-548B)

ISSUE

Continued immediate response actions require additional funds in order to complete them. Present actions designed to finalize the control and stabilization actions at this site include the transportation and disposal of contaminated soil to a properly permitted landfill. It is estimated that an additional \$1,311,100.00 will be required to complete the removal action.

BACKGROUND

The Shaffer Equipment Site is located in a small coal town known as Minden, in Fayette County, West Virginia. Estimated population is 2000 full-time residents. The site is located within the flood plain of Arbuckle Creek. The nearest residence is located within twenty feet of the site, with an estimated 200 persons living within 200 yards of the site. Arbuckle Creek is known to flood at least 5-7 times per year. These floods have involved the Shaffer Site in the past, further worsening the offsite migration problem. The site was discovered via an anonymous complaint to the State. State investigations indicated the presence of PCBs and a referral to EPA was made in early December of 1984. An emergency response was made and noted a serious threat of a classical emergency nature.

100245

(2)

The Environmental Protection Agency (EPA), Region III, initiated emergency action on December 26, 1984, to stabilize and otherwise abate an immediate and significant risk of harm to human life and the environment, posed by the presence of Polychlorinated Biphenyls (PCB) at extremely high levels in both electrical equipment and soils onsite. This action was approved in an Action Memorandum signed by the Regional Administrator on December 26, 1984. On February 15, 1985 an additional funding request was approved to continue operations at the site. Finally, on August 29, 1985, a \$1 Million Dollar Exemption Request was approved, bringing the project ceiling to its present level of \$2.33 million dollars.

The following conditions were noted at the time of response:

1. Approximately 1000 PCB containing transformers, many actively leaking (as high as 80% PCB).
2. Approximately 1000 PCB containing capacitors, showing signs of vandalism (as high as 80% PCB).
3. An active discharge from the site to the creek, showing the presence of PCB (100 PPM).
4. The presence of highly contaminated soils, ranging in concentration from 50 to 260,000 ppm, PCB.

The following actions have already been taken at this site:

1. Establishment of initial containment measures to contain a severe offsite migration problem.
2. Measuring and sampling of transformers, capacitors, drums, soils, and water both on and offsite.
3. Remove, transport and dispose of PCB containing transformers, capacitors and drums.
4. Excavation and staging of an estimated 5000 tons of contaminated soils.
5. Backfill and regrading of the site.

Additionally, as the attached \$1 Million Dollar Exemption describes, the Region investigated alternative onsite treatment technologies for the treatment of the onsite soils. A comprehensive survey was initiated reviewing technologies available in 1985. Upon completion of this review, the Region found only three viable options as follows:

1. Landfill offsite.
2. Onsite incineration.
3. Soil washing, waste to a fixed facility incinerator.

100246

(3)

The Region selected the third option since incentives were present to utilize onsite treatment alternatives. Onsite incineration was risky due to the site's location in a deep valley with residents too close and finally a pilot project funded by a private firm indicated a high possibility for success with the soil washing technology.

Between the time of September, 1985 through November of the same year, an attempt was made to utilize the new soil washing technology. The effort was terminated due to unforeseen start up problems and, upon demonstration, new cost figures that indicated that the system would be far too costly to be feasible. The Region then turned to EPA Headquarters and requested that a competitive contract be awarded to transport and dispose of the PCB contaminated soils onsite. This contract was awarded in September of 1986. However, the contractor was unable to secure approvals for a landfill as the Governor of the State of Ohio denied the application. Headquarter's Contracts Division was forced to terminate the contract.

The Region is of the opinion that the nature of the threat as specified both in this document and the attached \$1 Million Dollar Exemption Request is serious enough that it is of a time critical nature. Original containment structures are degrading, and serious flood threats still occur. Therefore, on August 1, 1987 the Region issued a Delivery Order against the newly awarded Emergency Response Cleanup Services contract to transport and dispose of the soil as soon as practical. Regional ERCS contracts are still unavailable in Region III. Funds remaining in the existing approved ceilings were utilized to secure landfill approvals and to prepare the site. Approximately 50 truckloads of soil have been disposed of at the Chemical Waste Management Facility located in Emelle, Alabama. Upon securing accurate cost estimates, the Region has prepared this action memorandum requesting the necessary funds to complete the work.

It should be noted that the Region has taken several actions since November of 1985 to restabilize the site. In fact, the site did flood in 1986; however, the containment structures held. An immediate response to repair damaged flood dikes prevented the spread of contaminants. These facts illustrate the site's unstable nature.

The Region has completed its initial review as to this site's possible inclusion on the NPL. Present indications are that the site will not score sufficiently high to become an NPL site.

100247

(4)

DISCUSSION

The attached \$1 Million Dollar Exemption Request describes how this site meets the statutory criteria in Section 104 (c) (1) of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments Reauthorization Act of 1986. This document is attached for your review. The conditions described in that memorandum still apply. Since the criteria has previously been met, the Region is requesting your approval for additional funds.

CONTRIBUTION TO REMEDIAL PERFORMANCE

The Shaffer Equipment Site is not on the National Priority List. As previously discussed, the Region's initial review indicated that the site will probably score too low to be included. Therefore the long term cleanup strategy is unknown. The presence of the highly contaminated soils on the flood plain of Arbuckle Creek presents an emergency situation necessitating removal and is the only threat requiring attention. Complete removal of the staged contaminated soil is necessary to adequately abate the threat. The OSC has determined that the proposed action should not conflict or hinder any future long-term action of either EPA, or state and local government.

PROPOSED ACTION

The Region proposes to transport and dispose of the contaminated soils at an approved facility. This action will alleviate the threat in the most timely fashion, will eliminate long-term maintenance needs and will not conflict with any long-term action.

The Region's review of alternative treatment technologies and previous experience at this site indicate that this option is the only viable solution.

Approvals have been secured for disposal at the Chemical Waste Management Facility, located in Emelle, Alabama. It is estimated that 30-60 days will be required to complete the project.

As stated previously, the Region intends to utilize the ERCS (contract) mechanism.

100248

3000000

PROPOSED BUDGET

Extramural Costs (15% Contingency) (ERCS, Plus subcontracting)	\$1,800,000
TAT	50,000
Intramural Direct Costs	
\$30x350 labor hours (300-Region/50Hdqtrs)	10,500
Intramural Indirect Costs	
\$52x300 hours	15,600
	<u>\$1,876,100.00</u>
Total Removal Project Ceiling	
Estimate Funds Remaining	<u>-565,000.00</u>
(from previous \$1 million exemption approval)	
Total Funds Requested	\$1,311,100.00

I recommend that you approve the additional funding request for the Shaffer Equipment Site. Because conditions at the site meet the National Contingency Plan Section 300.65 (b) (2) and CERCLA 104 (c) critical for a removal, I recommend your approval of the additional funding request, to allow for project completion. Your approval will raise the total project ceiling from \$2,340,000 to \$3,651,100 of which \$3,535,000 are for extramural cleanup contractors costs. You may indicate your approval or disapproval by signing below.

APPROVAL _____ DATE _____

DISAPPROVAL _____ DATE _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

10/28/87
Recd

OCT 28 1987

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

MEMORANDUM

SUBJECT: Ceiling Increase Request for the Shaffer Equipment Co. Site,
Minden, WV -- TRANSMITTAL MEMORANDUM

FROM: Timothy Fields, Jr., Director
Emergency Response Division

THRU: Henry L. Longest II, Director
Office of Emergency and Remedial Response

TO: Dr. J. Winston Porter, Assistant Administrator
Office of Solid Waste and Emergency Response

Attached is a request from the Region III Regional Administrator for a ceiling increase of \$1,311,100 to continue removal actions at the Shaffer Equipment Co. site. This will bring the total project ceiling to \$3,641,100. Also attached is a memorandum from the OSC (Rob Caron), which provides supplemental information concerning this removal action to clarify concerns of Headquarters reviewers.

I recommend that you approve the additional funding request for the Shaffer Equipment Co. site. Because conditions at the site meet the National Contingency Plan Section 300.65(b)(2) and CERCLA 104(c) criteria for a removal, I recommend your approval of the additional funding request, to allow for project completion. Your approval will raise the total project ceiling from \$2,330,000 to \$3,651,100 of which \$3,535,000 are for extramural cleanup contractor costs. You may indicate your approval or disapproval by signing below.

Approval

[Signature]

Date

10/27/87

Disapproval

Date

Attachments

100250

APPENDIX C
INCOMING SPILL REPORT

100251

RECEIVED REGION III BY: Mark Selman DATE: 9/28/84 TIME: 16:40

REPORTED TO NRC ☐ BY: Ben Wilmoth OSC, Wheeling, W.V.

ORGANIZATION: FLA Region III PHONE #

ADDRESS:

SPILLER: **NAME:** Schaeffer ~~Supply~~ Equipment Co. **PHONE:**

ADDRESS: County Route 17

Minden, W.V. (Fayette County)
near Oak Hill, W.V.

SPILL . LOCATION: above

ADDRESS:

CITY: Minden COUNTY: Fayette STATE: W.V.

NEAREST WATERWAY: Arbuckle Creek

SPILL DATA: DATE: 6/29/05 TIME:

MATERIAL: PCB's

SOURCE: Derelict Transformers (about 300) CAUSE: _____

TOTAL SPILLED: unknown IN STREAM: unknown. REMOVAL CODE:

SPILL RESPONSE CONTAINMENT: NO CLEAN-UP: No.
1 OSC bilmouth tooked TAT

NV DNR reported this to Ben Wilmoth 9/20/84
this # 305-489-7084
OSC Wilmoth tasked TAT
to perform site assessment
week of Oct 1, 1984

NOTIFICATION: *4th # 309-484-7084* *Week of Oct 1, 1964*
(NAME, DATE, USGS: WHEELING FIELD OFFICE:

STATE/LOCAL: _____ OTHER: _____

100252

OTHER: _____

Note: TAT to conduct site assessment week of Oct. 1.

REMARKS: Reported to Ben by DNR Leroy Gilbert (Inspector) on 9/28/84.
DNR soil sample on site revealed 26,749 ppm PCB near transformers.
Company previously claimed that transformers did not contain PCB's. Drainage Swale
... contained 1126 ppm PCB.

RRC #1 SPILL NOTIFICATION
2/2/85

INCOMING SPILL REPORT

CASE # _____

(COMPLETE ALL SECTIONS)

NDH _____

RECEIVED REGION III BY: BBC DATE 12/26/84 TIME: 0800

REPORTED TO NRC BY: Bob Caran PHONE # () _____

ORGANIZATION: EPA-TT

ADDRESS: _____

CITY: _____ COUNTY: _____ STATE: _____

CITIZEN INQUIRY:

Y ☒ N ☐

RESPONSIBLE PARTY

NAME: Shaffer Equip. Co. PHONE # () _____

ADDRESS: 15C 17

CITY: Minden COUNTY: Fayette STATE: W. VA

SPILL LOCATION

LOCATION: as above

ADDRESS: _____

CITY: _____ COUNTY: _____ STATE: _____

NEAREST WATERWAY: Arbuckle Creek

SPILL DATA

DATE: 12/26 TIME: NA MATERIAL: Oil

SOURCE AND CAUSE: Drums - poor condition AMOUNT SPILLED: none

IN WATER: Y ☐ N ☒ UNK ☐ CONTAINED: Y ☐ N ☒ UNK ☐ CLEAN-UP: Y ☐ N ☒ UNK ☐

SPILLER NOTIFIED: STATE/LOCAL NA USCG NA OTHER: EPA

EPA NOTIFICATION

NAME, DATE & TIME: USCG _____ WHEELING FIELD OFFICE _____

100253

STATE/LOCAL WV DNR OTHER _____

OSC NOTIFIED Bob Caran

COMMENTS:

OSC issued verbal notice to remove oil/
soil - removed. Cleanup Action (PCA) in progress

RECORD OF OSC RESPONSE (Attach ~~2~~ 1)

☒ INITIAL ☐ INTERIM ☒ FINAL

SITE/SPILL

Shatter Equip.
R.C.D.
Minden, W.VA.

CASE #

REPORTED BY (DATE/TIME):

☒ COMPANY ☐ EPA

☐ STATE

☐ CITIZEN

NAME: Bob Maynor PHONE # 304-388-6059 ⁴⁶⁹

NRC NOTIFIED: YES ☒ NO ☐

NAME/RESPONSIBLE PARTY:

Shatter Equipment

PHONE # same

RESPONSE (DATE/TIME):

☒ SITE ASSESSMENT ☐ PHONE REFERRAL

☒ VISIT ☐ PHONE INVESTIGATION

☐ REVISIT

LOCATION:

as above

AREA AND/OR WATERWAY AFFECTED (NAME):

☒ LAND 1.11 acres

☒ WATERWAY none river miles

MATERIALS:

☒ OIL

☒ HAZARDOUS SUBSTANCE

☐ OTHER

DESCRIPTION:

Oil and PCB fluids

AMOUNT: ~ 15,000 gallons

ACTIONS TAKEN:

☐ NO ACTION TAKEN

☐ REFERRAL

☒ DIRECTED FUND ACTIVATION

☐ MONITORED

☐ 311

☒ CERCLA

PROJECT NUMBER

CONTRACTOR

ERCS

CLEAN UP DATA: gallons, barrels, drums, cubic yards, tons

☒ LIQUID 20000

☒ SOLID 2500 yd³

☒ DISPOSED

☒ TREATED

REMARKS:

- Site owner removed oil
- Superfund Action for PCB removal

100254

DATE(S) ON SCENE

12/26/84 1/9/85 - 2/13 - 2/28

PROJECT HOURS

REG. 120 OT 48

HOURS ON SCENE

REG. — OT —

STANDBY HOURS

PREPARED BY:

Bob Maynor

OSC

Bob Maynor

DATE

3/5/85

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

100255

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Photographs in this Appendix are divided into the following groups:

- 1) TAT assessment conducted October 3, 1984.
- 2) Initial removal action activities from December 1984 through March 1985 and including disposal of transformers, capacitors and drums and excavation of PCB-contaminated soil.
- 3) OHM Research and Development activities for innovative solvent extraction technology between May 1985 and September 1985.
- 4) Actual solvent extraction process activities between October and December of 1985.
- 5) TAT measurement of contaminated waste pile on April 17 and 18, 1986.
- 6) Disposal operations conducted during January and February 1987.
- 7) Final disposal of PCB-contaminated waste pile and site restoration activities conducted between September and December 1987.
- 8) May 2, 1989 project restart to dispose of drums, wastewater in containment pond and contaminated soil from beneath the drums. Activity completion was August 23, 1989.

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #1



Photo #

1

Date Taken

10/03/84

Photographer

John Claypool, TAT

Description

The initial EPA/TAT assessment identified bulging and
deteriorated drums on site. PCB analysis on this group
indicated 5.7 ppm archlor. Another drum labeled "Trans-
former 55" indicated transformer fluids and one labeled
"Dowtherm 209" indicated 147 ppm archlor.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #1



Photo #	<u>2</u>
Date Taken	<u>10/03/84</u>
Photographer	<u>John Claypool, TAT</u>
Description	<u>Close proximity of residential dwellings located adjacent to PCB-contaminated soils and transformers.</u>

100258

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #1



Photo #	<u>3</u>
Date Taken	<u>10/03/84</u>
Photographer	<u>John Claypool, TAT</u>
Description	<u>Transformers located on site. Note closeness of residence</u> <u>in left background of photo.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #1



Photo #	<u>4</u>
Date Taken	<u>10/03/84</u>
Photographer	<u>John Claypool, TAT</u>
Description	<u>Transformers and capacitors were strewn randomly on site.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #1

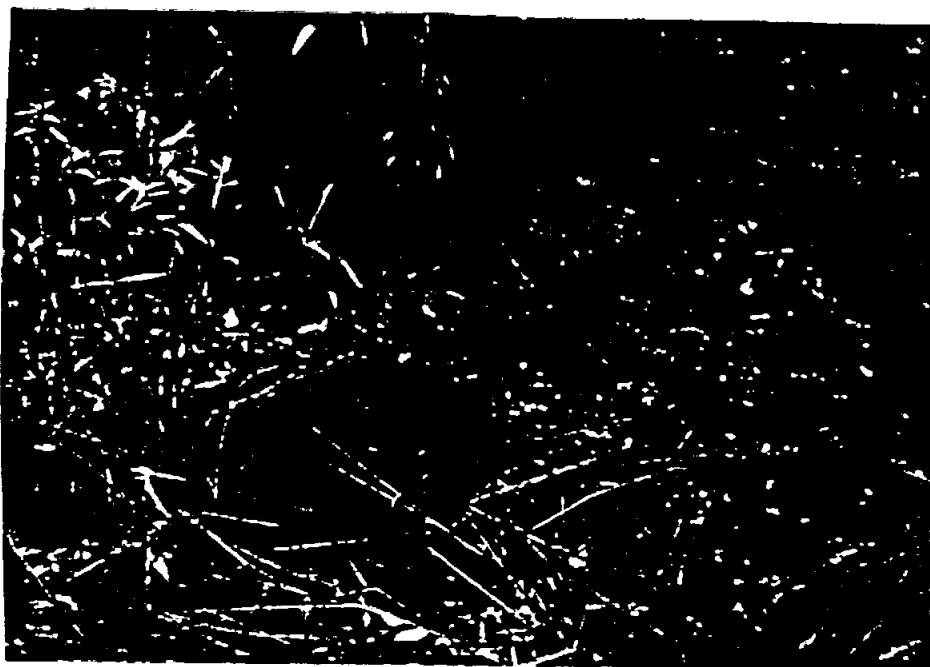


Photo #	<u>5</u>
Date Taken	<u>10/23/84</u>
Photographer	<u>John Clavpool, TAT</u>
Description	<u>Oily residues in the ground were found throughout the site.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2



Photo #	<u>6</u>
Date Taken	<u>01/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>A concrete underflow dam was constructed to control potential off-site migration of PCB contamination.</u>

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2



Photo #	<u>7</u>
Date Taken	<u>02/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>Underground water lines on site were moved to prevent possible rupturing during excavation of PCB-contaminated soil.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2



Photo #	<u>8</u>
Date Taken	<u>02/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>Drummed materials were transported off site to the General</u> <u>Electric facility in Philadelphia, PA (see Section VI,</u> <u>Chronology of Events, 2/19/85).</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2



Photo #	<u>9</u>
Date Taken	<u>02/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>OSC Caron attended public meetings to keep local officials and concerned citizens updated regarding site status.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
Group #2

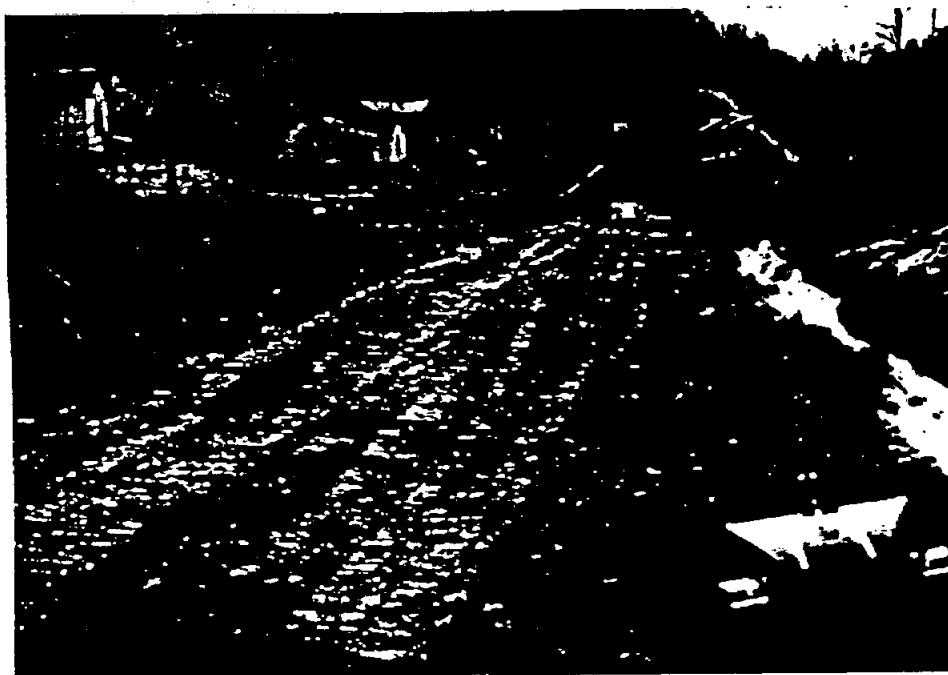


Photo #	<u>10 and 11</u>
Date Taken	<u>02 and 03/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>PCB-contaminated soil was excavated from both Berwind Land and Shaffer Equipment property and placed in a clay-lined staging cell.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2

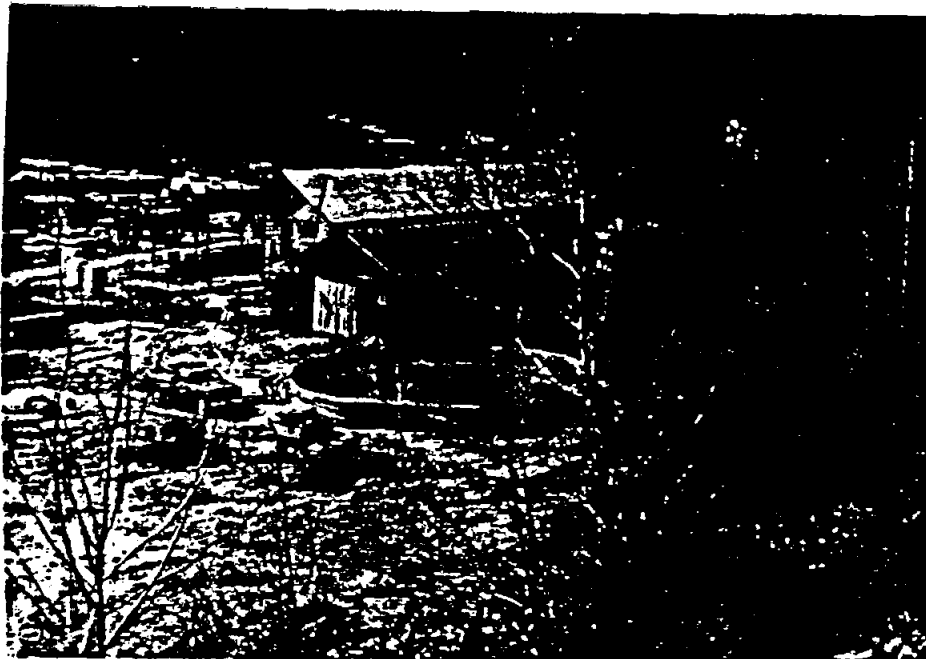


Photo #	<u>12</u>
Date Taken	<u>02/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>Containment ponds prevented potential off-site migration of contaminated runoff.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #2



Photo #	<u>13</u>
Date Taken	<u>03/85</u>
Photographer	<u>Lynne Neveling, TAT</u>
Description	<u>PCB-contaminated waste pile was covered with visqueen</u> <u>and geo-tech fabric to await development of alternative</u> <u>technology for solvent extraction.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #3



Photo #	<u>14</u>
Date Taken	<u>05/85</u>
Photographer	<u>Unknown</u>
Description	<u>OHM mobile laboratory was on site during research and</u> <u>development of alternative technology for solvent</u> <u>extraction process.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #3

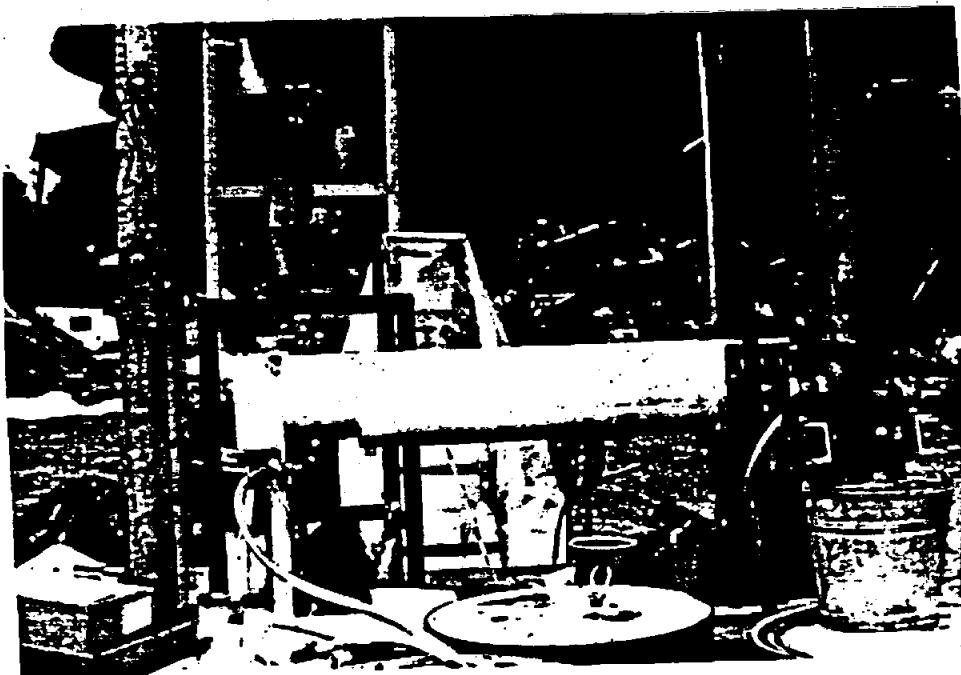


Photo #	<u>15</u>
Date Taken	<u>05 to 09/85</u>
Photographer	<u>Unknown</u>
Description	<u>A pilot unit was assembled on site</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #3



Photo #
Date Taken
Photographer
Description

16

05 to 09/85

Unknown

. . . . and was tested for most effective mixture and soil
particle size that allow the most efficient operation of the
actual process unit.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
Group #4

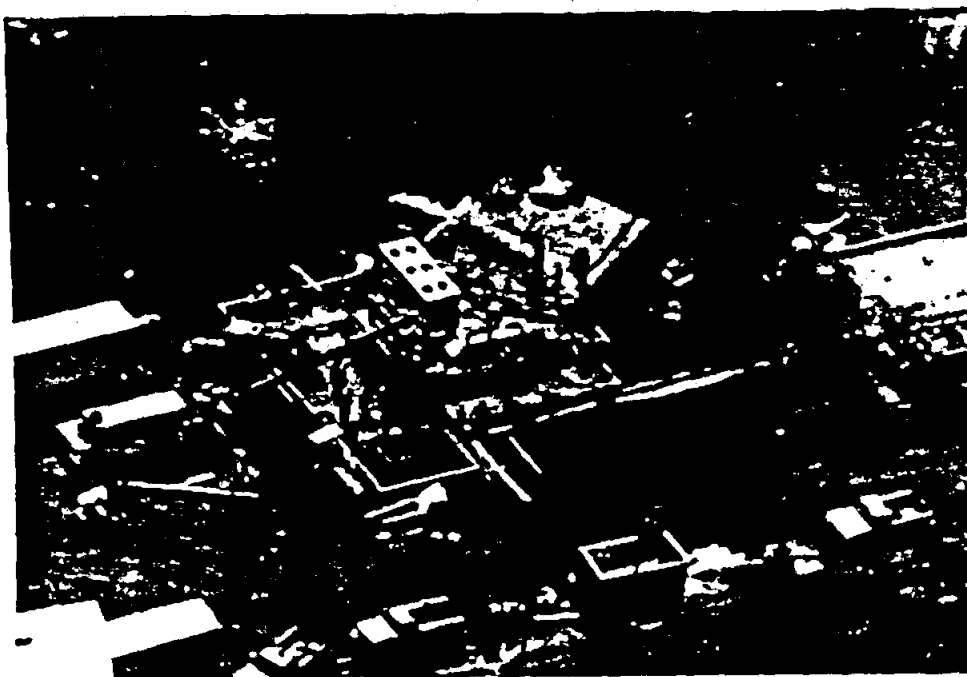


Photo #	<u>17 and 18</u>
Date Taken	<u>09/85</u>
Photographer	<u>Unknown</u>
Description	<u>Aerial photographs of the site during construction of the</u> <u>actual extraction process unit.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>19</u>
Date Taken	<u>09/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Welding and fabrication of system connections.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

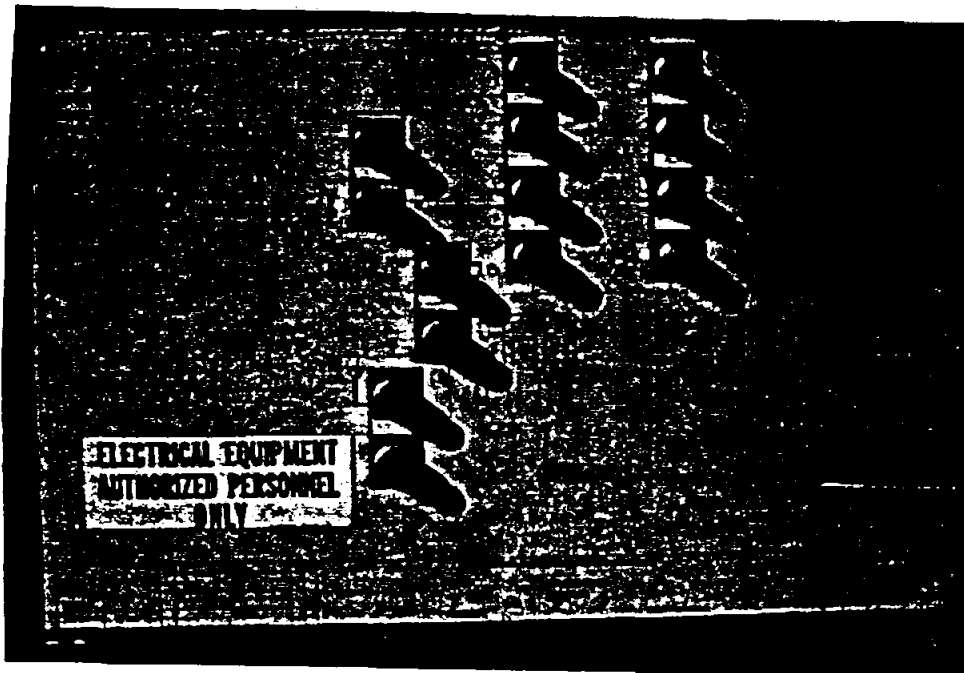


Photo #	<u>20</u>
Date Taken	<u>09/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Electrical control board that was fashioned from process</u> <u>flow diagrams.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>21</u>
Date Taken	<u>09/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Decontamination station that included boot washes, air bottle filling capability and equipment storage.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>22</u>
Date Taken	<u>10/14/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>USCG/AST, TAT and OHM technical staff conduct a site tour for WAPCC Inspectors.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>23</u>
Date Taken	<u>10/24/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>USCG/AST conducted a demonstration of a controlled methanol fire to familiarize all personnel with recognition of the invisible fire and with the use of fire extinguishers.</u>

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375107

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>24</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Plates were welded to the Auger #2 blade to aid in soil breakup and reduce clogging in the auger.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

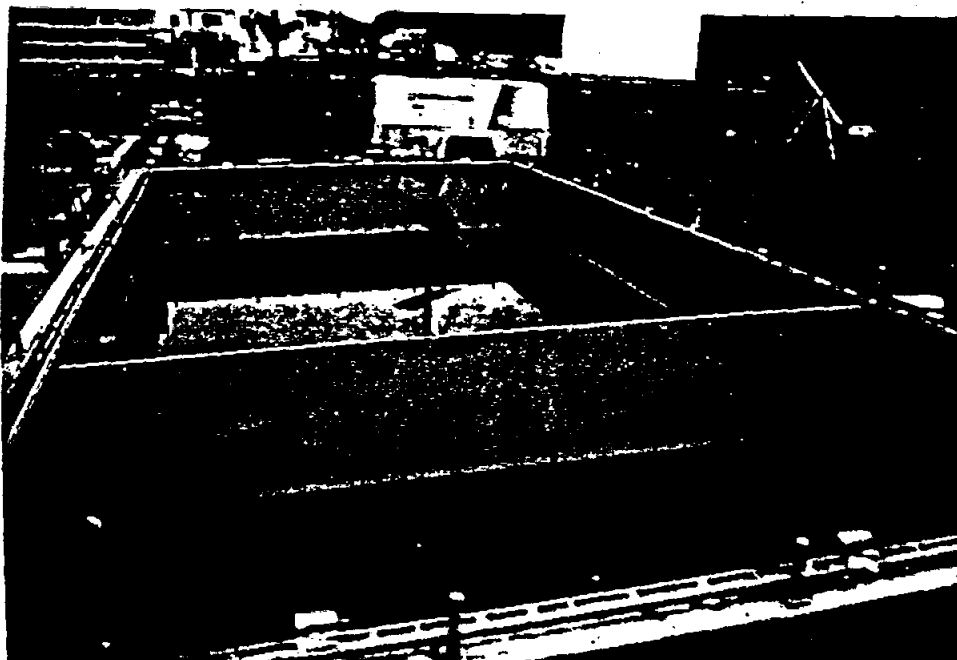


Photo #	<u>25</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Example of the lamella clarification process.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

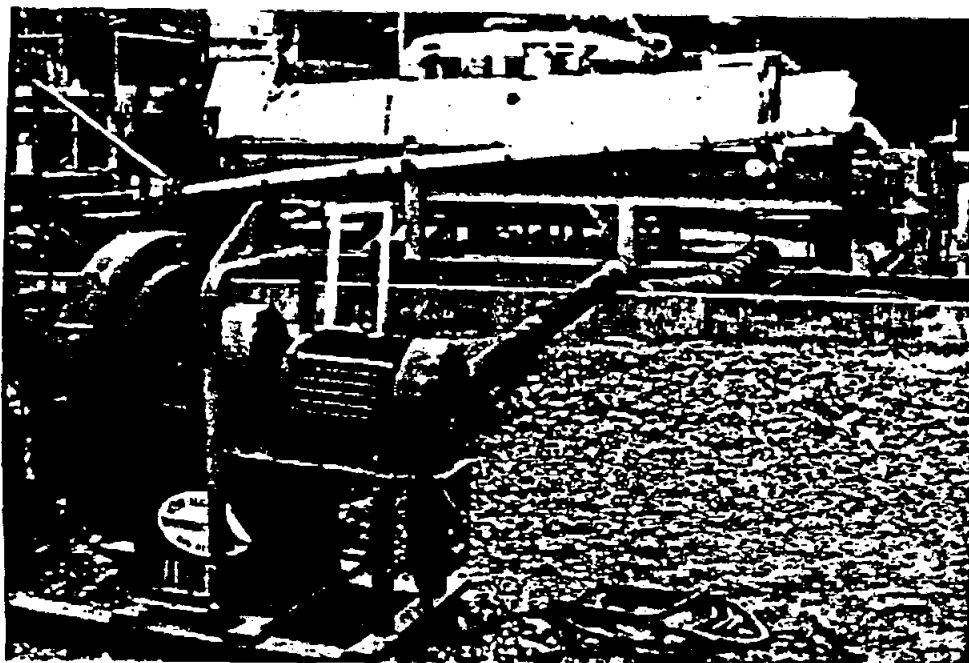


Photo #	<u>26</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>The insulated methanol dryer is seen in the background.</u> <u>350 CFM blowers (foreground) were added to dissipate</u> <u>methanol fumes in confined areas.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>27</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Auger-type materials transport of the methanol dryer that was heated internally with steam.</u>

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

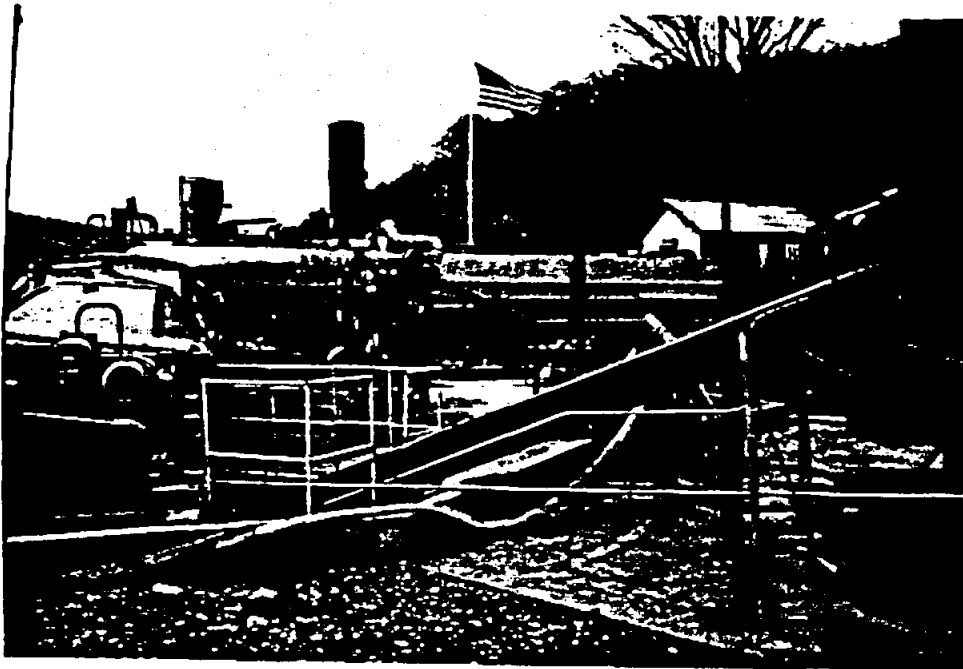


Photo #	<u>28</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>View of methanol condenser connection to the dryer and the methanol condenser scrubber stack.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

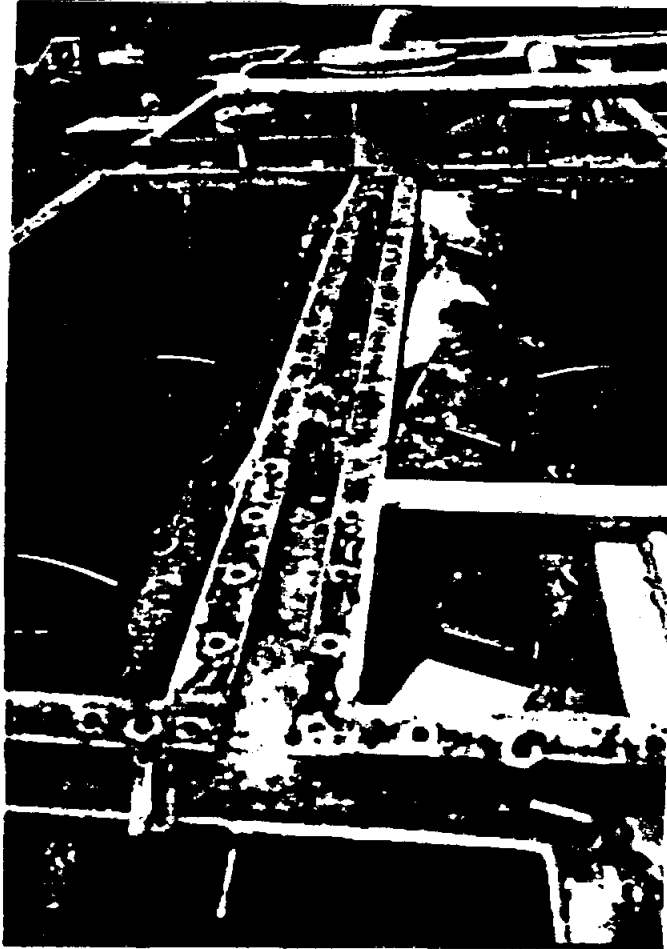


Photo #

29

Date Taken

10/85

Photographer

Michelle Lange, TAT

Description

Internal fins of the extractor used for materials were
mechanically tested with clean soil and water for open
viewing.

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

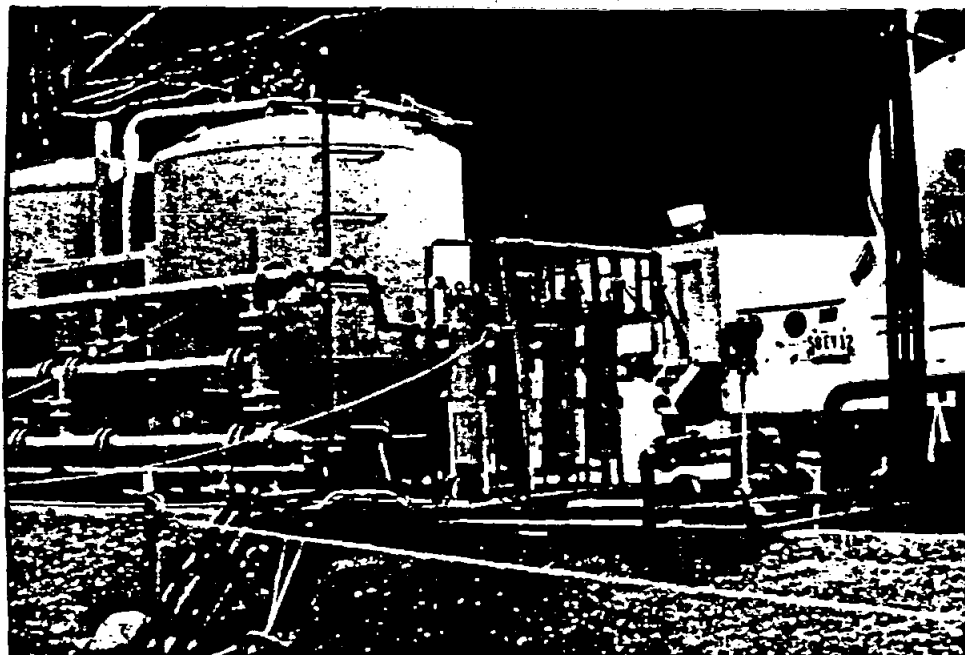


Photo #	<u>30</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Carbon cells and bag filters were located on the methanol storage pad.</u>

AR100284 100284

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>31</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>View of the Grizzley power screen and Auger #1 from the</u> <u>Grizzley to the soil water dryer.</u>

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Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>32</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>As a particulate control measure, the Grizzley conveyor belt and power screen were enclosed in geo-tech fabric and a chute was made to channel particles into the bed of a pickup truck.</u>

100286

881081

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4

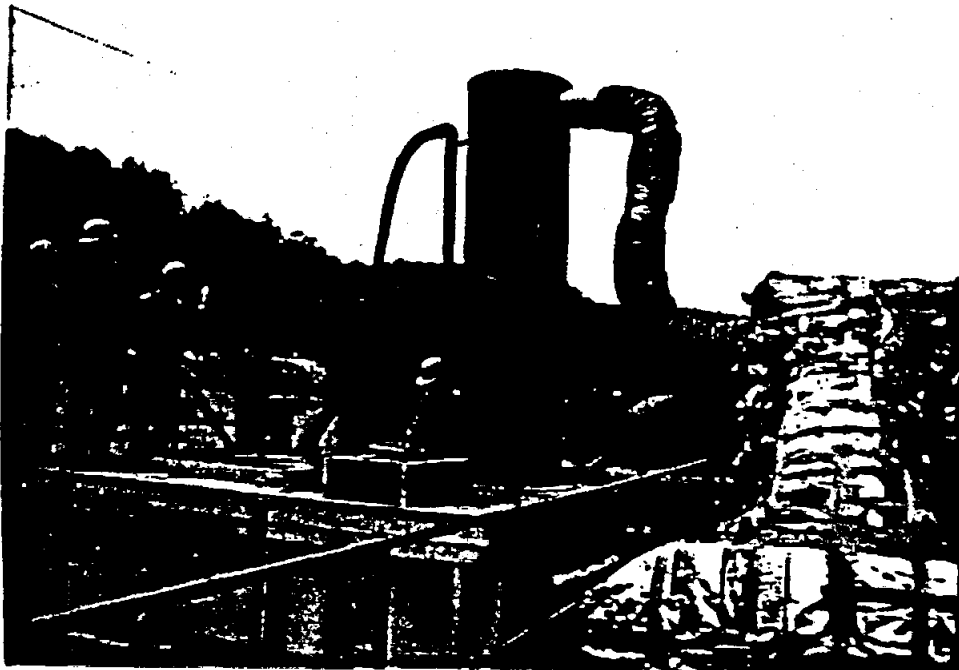


Photo #	<u>33</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Successful particulate control measure from the water dryer was achieved by connecting a venturi scrubber and clarifier.</u>

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #4



Photo #	<u>34</u>
Date Taken	<u>10/85</u>
Photographer	<u>Michelle Lange, TAT</u>
Description	<u>Overview of the scrubber and clarifier with dry chemical fire</u> <u>extinguisher in the left foreground. After Auger #2 was</u> <u>jacketed with steam, exhaust vents were channeled into the</u> <u>clarifier. Also note the lighting setup to enable operations</u> <u>to take place after dark.</u>

100288

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #5



Photo #	<u>35</u>
Date Taken	<u>04/17/86</u>
Photographer	<u>Mrinal Biswas, TAT</u>
Description	<u>TATM Ziegler holds measuring rod</u>

100289

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #5

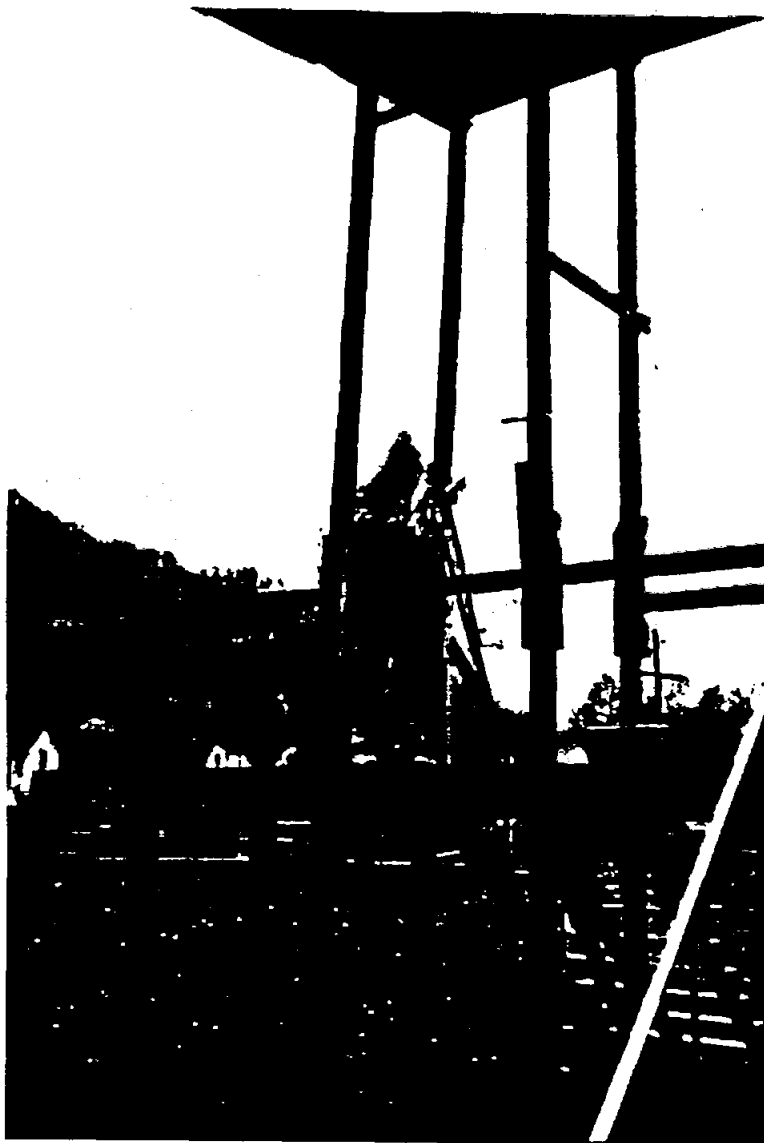


Photo # 36
Date Taken 04/17/86
Photographer Linda Ziegler, TAT
Description . . . while TATM Biswas sites elevations with the transit to
be used to determine volume of PCB-contaminated waste pile.

100290

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #5



Photo #	<u>37</u>
Date Taken	<u>04/17/86</u>
Photographer	<u>Linda Ziegler, TAT</u>
Description	<u>TATM Biswas weighs soil sample to be used in calculating the volume of the PCB-contaminated waste pile.</u>

100291

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #6



Photo #	<u>38</u>
Date Taken	<u>01/14/87</u>
Photographer	<u>Peter Harnett, TAT</u>
Description	<u>Drums that had remaind on site were staged and covered</u> <u>inside the "hot zone" delineated by the chain link fence.</u>

100292

8/15/87

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #6

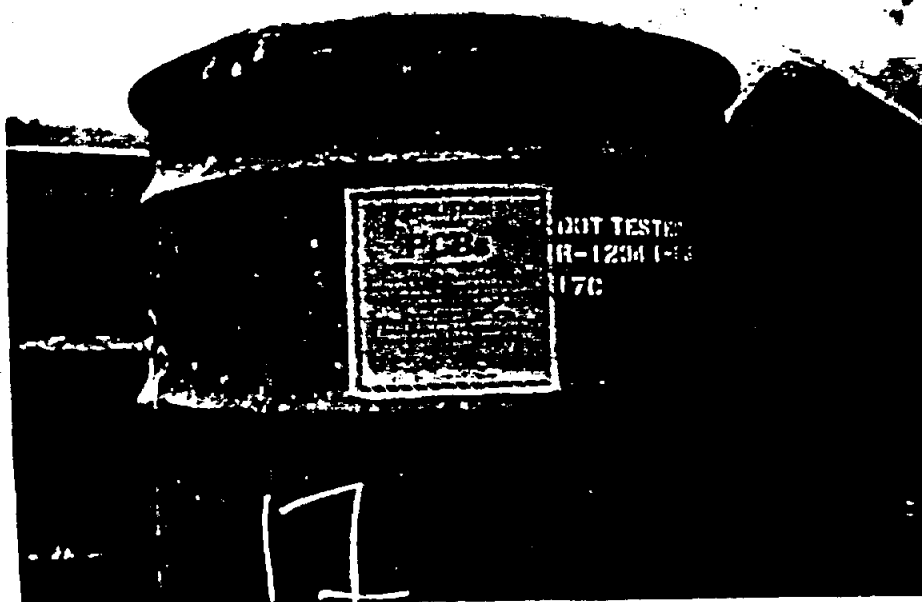


Photo #	<u>39</u>
Date Taken	<u>01/14/87</u>
Photographer	<u>Peter Harnett, TAT</u>
Description	<u>Drums were properly labeled and manifested for transport.</u>

100293

AR100293

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #6



Photo #	<u>40</u>
Date Taken	<u>01/14/87</u>
Photographer	<u>Peter Harnett, TAT</u>
Description	<u>On this date, 50 drums of solids and 4 drums of coagulant</u> <u>were transported off site to Chem Waste Management in</u> <u>Emelle, Alabama.</u>

100294

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #6



Photo #

41

Date Taken

02/18/87

Photographer

Peter Harnett, TAT

Description

On this date, the final 9 drums of PCB-contaminated liquids
were transported off site to SCA Chemical Services facility
in Chicago, Illinois.

100295

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
Group #7

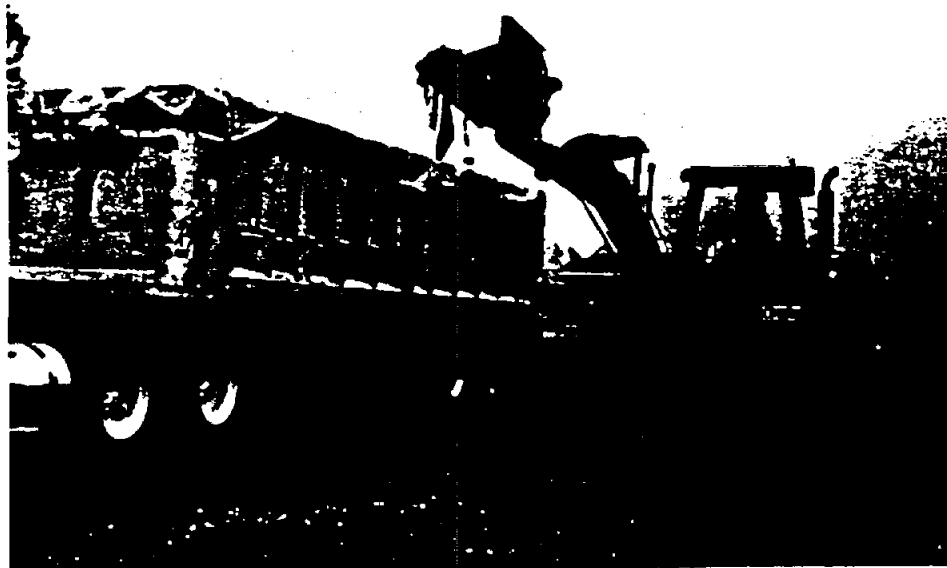


Photo #
Date Taken
Photographer
Description

42 and 43
09/87

Joseph Carter, TAT

Between 9/15/87 and 11/11/87, 4735 tons of PCB-contaminated
soil were loaded into 213 visqueen-lined trucks and trans-
ported off site to Chem Waste Management in Emelle, Alabama.

100296

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>44</u>
Date Taken	<u>11/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>Following removal of PCB-contaminated soil pile, the area was marked and sampled to ensure complete removal of all contamination.</u>

100297

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #
Date Taken
Photographer
Description

45
10/87
Joseph Carter, TAT
Concrete pads were sampled and analyzed and found to be
clean. They were then broken up into chunks and crushed
by a local rock crusher to be used as site backfill.

100298

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>46</u>
Date Taken	<u>11/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>Final site restoration included repairing the Shaffer</u> <u>Equipment office building</u>

100099

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>47</u>
Date Taken	<u>11/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>. . . backfilling and grading basin area . . .</u>

150-00

AR100300

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>48</u>
Date Taken	<u>11/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>. . . grading road around the Shaffer building and</u> <u>installing fence</u>

100301

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>49</u>
Date Taken	<u>12/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>. . . and constructing flood control adjacent to Arbuckle</u> <u>Creek.</u>

100302

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #7



Photo #	<u>50</u>
Date Taken	<u>12/87</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>Site restoration completed with site properly graded, diked and fenced.</u>

100303

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #8



Photo #
Date Taken
Photographer
Description

51
05/03/89
Joseph Carter, TAT
EPA, TAT, and cleanup contractor returned to the
site this date to address drums remaining on site.
The drums shown in the above picture and two
others found on site were found leaking in a
partial containment pond and warranted removal.

100304

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #8



Photo #
Date Taken
Photographer
Description

52

05/04/89

Joseph Carter, TAT

Drums were overpacked and relocated to a staging area on the other side of Shaffer's fence. Water in the containment area was pumped into a tanker for temporary storage on site. Soil from the containment area was excavated and temporarily staged in a rolloff box. Crews sampled all media for disposal analysis.

100305

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #8

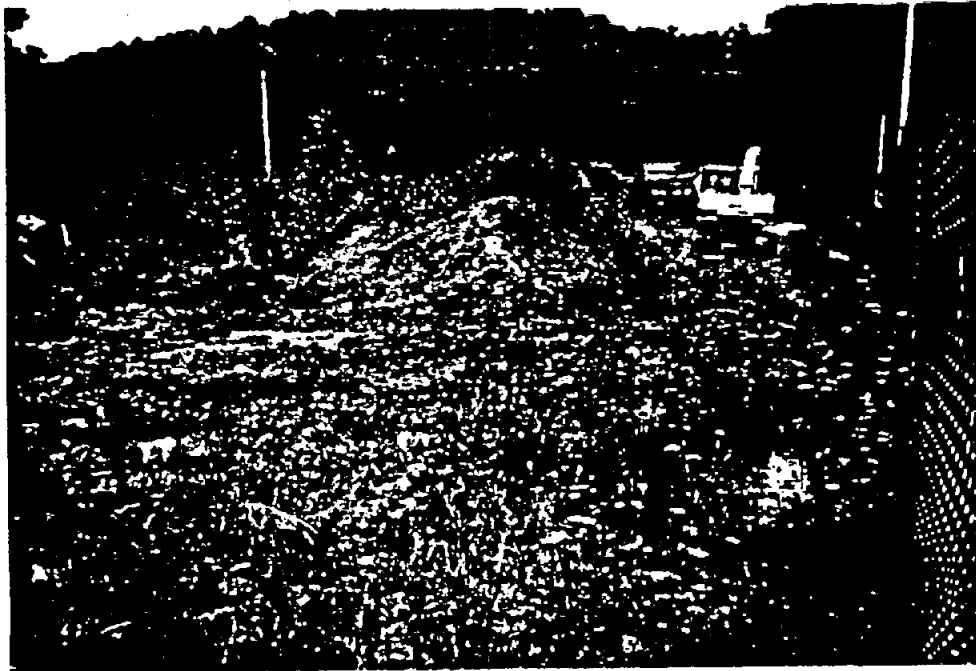


Photo #	<u>53</u>
Date Taken	<u>07/23/89</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>Containment pond restoration was completed upon receipt of sample analyses that determined an effective cleanup was accomplished.</u>

100306

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION

Group #8

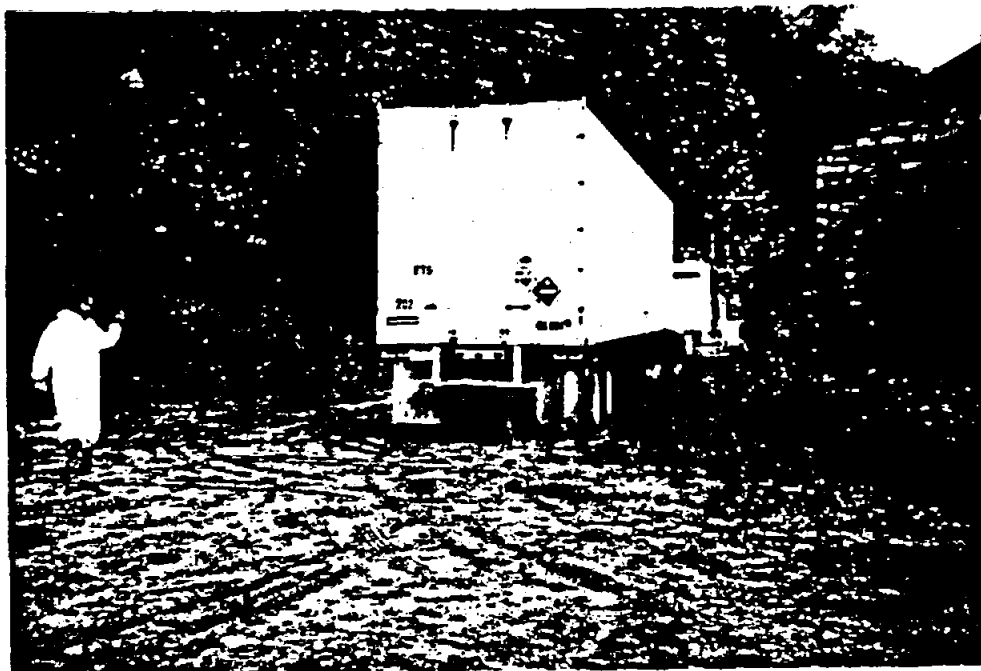


Photo #	<u>54</u>
Date Taken	<u>07/23/89</u>
Photographer	<u>Joseph Carter, TAT</u>
Description	<u>On this date 22 drums of wastes, 3,000 gallons of contaminated water and approximately 20 cubic yards of contaminated soil were transported from the site to final disposal facilities.</u>

100307

APPENDIX E

ERCS/OHM SOLUTIONS TO ON-SITE PROBLEMS

100308

Shaffer Equipment Site
Minden, West Virginia

ERCS/OHM SOLUTIONS TO ON-SITE PROBLEMS

Several representatives from the ERCS contractor, O.H. Materials, Inc. (OHM) provided input for changes to be made in on-site operations, particularly in equipment modifications. Some modifications were immediately successful, however, others were achieved through trial and error.

Logistics

The assembly of the the treatment system occurred on site. This included fabrication of piping and connections such as hoppers. Final engineering and layout were also completed on site during assembly/fabrication. OHM supplied additional chemical engineers for this task, some at no cost to the project.

During the initial testing of the system, unit operations were unable to communicate with each other when problems arose with their respective unit. Radios were later provided to the operators and Response Manager by OHM. These radios operated on a different frequency than those used by EPA/USCG support operators and were improved to prevent chain reactions of problems.

Standard operating procedures (SOP) for operating the units of the treatment system were developed "after the fact". Unit operators received on-the-job training in the operation of their assigned piece of equipment. During the testing phase, the system was run by trial and error to collect data for the development of SOP.

The electrical capacity was in need of upgrading in order to handle the power load of the extraction system. Additional power lines and two additional transformers were installed. However, the transformers were located too closely together, which would create a power arc between them. Therefore, before the system was completely on line, two transformers were moved across the small access road as a preventative measure.

As per the site safety and air monitoring plans, OHM was to provide on-site air monitoring for methanol for worker safety/protection. It was found that the FID (OVA) was much more effective on methanol than the PID. However, OHM had only a PID on site. OHM later rented a FID, which was a noncontract item for which a rate was negotiated. Very few ERCS personnel on site had either the time to air monitor or the knowledge of the operation of a FID. As a result, almost all of the air monitoring on site was performed by EPA support personnel.

Shaffer Equipment Site
Minden, West Virginia
ERCS/OHM SOLUTIONS TO ON-SITE PROBLEMS (continued)

Because many of the process units used in the extraction process were made in the 1950's and 1960's, it was difficult to locate replacement parts. When bearing casings of the soil water dryer cracked, OHM located an employee of the manufacturer who was working at the time the dryer was built. This employee was then able to find replacement casings for the dryer in an old storage area.

When the supply of virgin methanol was exhausted, delivery from the supplier took approximately one day. Due to the sporadic use of methanol during calibration and testing, it was difficult or impossible to predict in advance the need for methanol supply. Initially, during the delay for methanol delivery, maintenance and site upgrading were performed. As time became more crucial, the PCB-saturated methanol was treated successfully in the carbon cells filled with granular activated carbon then recycled into the system.

During methanol operations, fumes collected in confined areas such as the "pit" where the connection between the methanol dryer and Auger #3 were located. For worker safety, a 350 CFM blower was added to dissipate the methanol fumes.

Computerized 1900-55 forms (dailies) generated by OHM on site required approval by the OHM office in Findlay, Ohio, prior to a final daily's submittal to the OSC. Draft versions changes on dailies also required this process by OHM. This resulted in delays in submittal of dailies to the OSC and hence input into EPA's computerized cost tracking system. The OSC instructed OHM to submit hand written changes to expedite processing and verification.

Personnel

Fabrication and testing with clean soil was performed in level D. When PCB-contaminated soil was introduced, potential for personnel contamination was greatly increased although the system was considered to be closed. Also, cross contamination between designated exclusion areas and "clean" areas of the site was occurring due to personnel crossing established boundaries without decontaminating. Hence, the entire on-site work area was considered to possess some degree of contamination. To prevent the spread of contaminants off site and for personnel protection, boot covers, gloves and tyvek suits were required on site, and respirators were required in designated level C areas.

Due to the upgrade in personal protective clothing, the decontamination area was upgraded to include boot wash, boot racks and visqueen layer on the ground. However, the decon area was often unkept and personnel frequently bypassed the boot wash to retrieve an item at decon that was needed on site. When possible, personnel not required on site, such as a welder, would maintain the decon area; when this was not possible, support personnel assisted in this task.

100310

Shaffer Equipment Site
Minden, West Virginia
ERCS/OHM SOLUTIONS TO ON-SITE PROBLEMS (continued)

Personnel that operated process units were Recovery Technicians (RTs), unfamiliar in their operation. The RTs received training on the equipment either from chemical engineers on site or on the job. Replacement personnel and those additional personnel required during 24-hour equipment operations were trained by the original equipment operators. To enhance skills specific to each unit, personnel were assigned to a specific unit for operation.

Due to the presence of OHM managers on site, confusion arose as to who was the ultimate in charge. At times, OHM upper management on site that were not billed to the project, superseded the Project Manager which lead to an inefficient and uncoordinated effort on site. The OSC thereby recommended to OHM to streamline management on site and improve the chain of command.

Particulate Control

Due to concerns of WVAPCC regarding particulate emissions, OHM was directed by the OSC to implement control measures. On the Grizzley, guide plates were welded to the 4-inch sorter to prevent spillage over the sides while loading the soil. The Grizzley conveyor was enclosed with geotech fabric and a chute was constructed from the fabric to guide particles from the 1/2-inch sorter into the bed of a pickup truck. At the processed soil discharge, spray nozzles were installed to knock down any dust and a chute was installed to guide the soil to the discharge pad. These measures were immediately successful in particulate control.

Considerably more effort was required, however, to control dust emissions from the steam exhaust of the soil water dryer. Originally, the moisture evaporated from the soil and passed through a carbon filter sheet and through a blower and exhaust, which would emit dust with the steam. A bag-type filter was attached to the exhaust discharge but was ineffective due to frequent buildup and clogging. The next attempt consisted of piping the dryer exhaust through a drum to settle the particles, which was also ineffective. Then the exhaust was channeled to a clarifier, which had an exhaust with a carbon filter sheet to allow the steam to escape. However, particulate emissions through the filter continued to be observed.

Finally, a scrubber and clarifier system was installed. The dryer exhaust was channeled into a venturi scrubber, where the particles were knocked down with a water spray. The scrubber was mounted onto the clarifier into which the particulates and water drained. This system was effective, as indicated by a high-flow pump and one-micron filter at the clarifier exhaust. These measures were satisfactory to WVAPCC and the project was allowed to continue.

100311

Process Unit Breakdown and Modification

By calculating a mass balance on the extraction system, methanol loss through the methanol condenser stack was estimated to be 1%. To conserve methanol and ensure zero discharge, a stack condenser was fabricated and installed for greater methanol return to the system.

On two occasions, a bearing casing on the soil water dryer cracked and broke. The cause of the first breakage was the drive belt slipping, which then resulted in soil overloading in Auger #1 and methanol flooding into the methanol dryer. The second breakage was presumed due to overloading with very moist soil which bound up the internal augers; this resulted in similar effects. Additional sight glass windows were installed to enable the operator to better view the internal process and flow.

Auger #2 (between the water dryer and extractor) had a chronic problem with binding up. In the original design, the auger was jacketed with cool water to lower the soil temperature as it was introduced into the extractor, minimizing the vapor pressure of methanol. Plates were welded to the auger to aid in breakup of the soil and the drive motor was upgraded from 5 hp to 10 hp; however, the problem continued. A smaller gear was installed to enable the auger shaft to turn at a higher rpm. Then, the cooling jacket was replaced with a steam jacket to keep the soil warm to avoid condensate buildup and clogging inside the auger. Steam vents from the auger were connected to the particulate clarifier system to ensure zero discharge.

Sludge production was higher than anticipated from pilot scale tests. The original design consisted of a gravity feed line from the extractor to the lamella clarifier and a methanol diaphragm return pump to recirculate the methanol to the extractor. Since the diaphragm return pump often malfunctioned it was replaced with a gear pump which provided metered flow. A filter screen was installed in line before the gear pump. Due to the unanticipated volume of sludge created from test runs with clean soil, the lamella had not been emptied from these previous runs and had reached capacity. As soon as the system was brought back on line, the filter screen became clogged, sludge backed up in the return line, and the pump malfunctioned. A second clarifier was added to the system and connections between the extractor and clarifiers were modified. The gravity feed line was attached to the new clarifier and a line with a diaphragm pump was installed between the clarifiers to pump sludge from the lamella to the second clarifier. A diaphragm pump replaced the gear pump in the methanol return line. Sight glass windows were installed on both clarifiers to monitor their levels.

Shaffer Equipment Site
Minden, West Virginia
ERCS/OHM SOLUTIONS TO ON-SITE PROBLEMS (continued)

After consultation with the extractor manufacturer, the internal materials handling/transport fins of the extractor were changed from an angle of 45° to 30° in an effort to reduce sludge production. However, this would require greater rpm to mix the soil with the methanol and reduce retention time. The angle was later changed back to 45°.

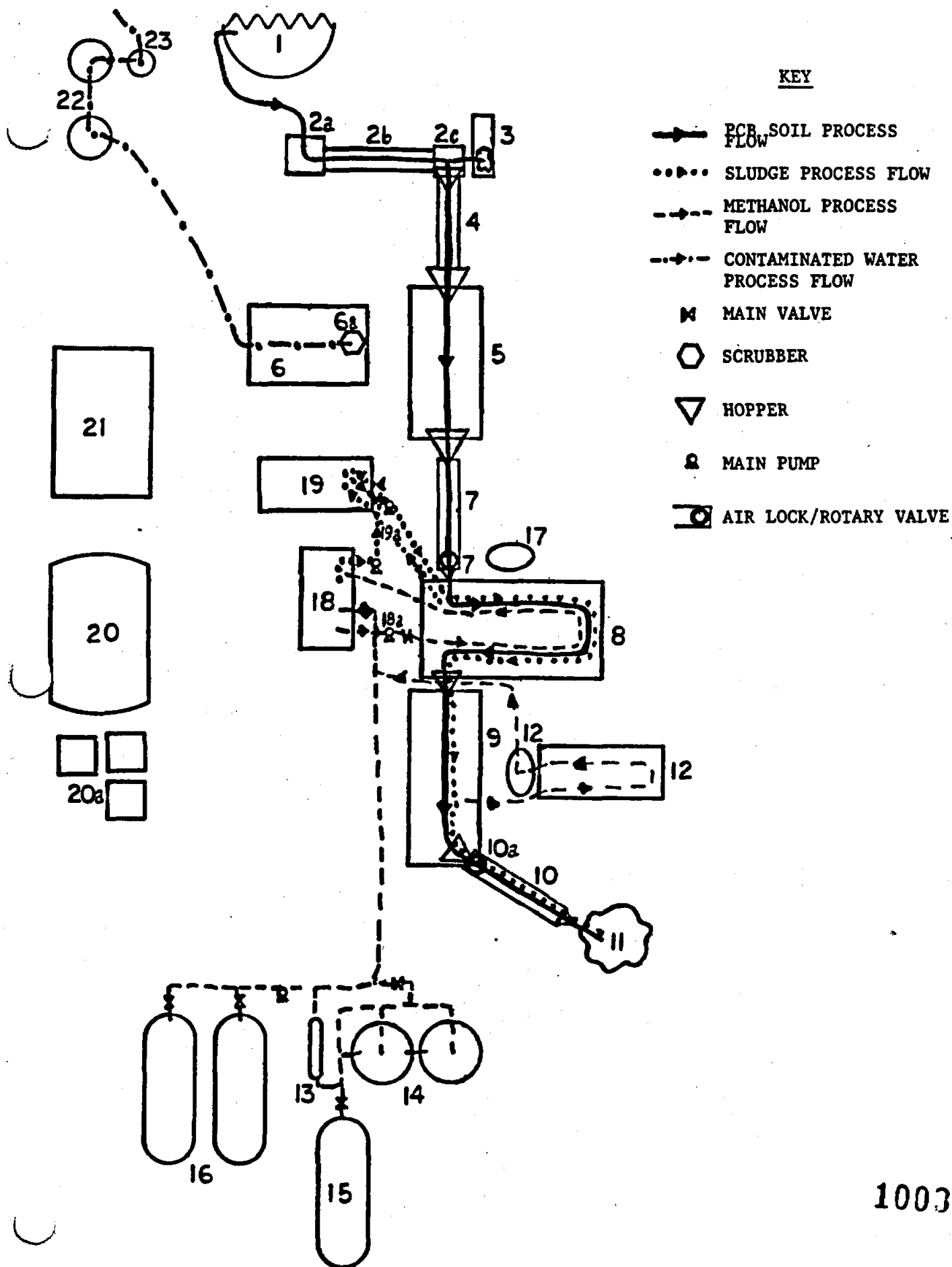
Several extractor breakdowns resulted in modifications. During the testing phase (clean soil/water) in October 1985, a stone caught in the kick plate to the methanol dryer and bent it sending large amounts of water to the methanol dryer. This may have resulted in a major spill had methanol been in use. The angle of the kick plate was changed and the edges rounded. Approximately one week later the same kick plate system was again modified. In the countercurrent extractor, methanol was introduced above the kick plate level, was hitting the plate and falling into the methanol dryer. The fresh methanol feed line location was changed to the middle of the extractor and the weir was raised one inch to increase the methanol retention time and therefore the extraction efficiency.

Three days later when the system was restarted, the extractor overloaded with soil. As a result, the drive plate bolts were broken, shaft plate key was sheared, kick plate in the 180° turn was bent beyond repair, and internal fins were bent and broken. The broken fins were welded (later were rewelded because the wrong welding rod material was used), the kick plate was lengthened and reinforced, and a counterweight was added. OHM contacted the manufacturer regarding the materials handling problem who advised that the soil passage be widened. A representative from the manufacturer was on scene the following day at no cost to the project to review modifications. Sight glass windows were installed to enable the operator to view materials handling inside the extractor for buildup in the crucial areas of soil inlet, soil outlet and the 180° turn, and kick plate operations.

Two weeks later, PCB soil was introduced into the system. Shortly after startup, soil built up in the extractor which caused the methanol dryer to flood, which resulted in methanol being discharged on the processed soil pad. The internal weir was then cut manually.

Variable Extraction Efficiencies

Near the end of the extraction phase, PCB extraction efficiencies as reported by the on-site laboratory ranged between 67% and 97%. To isolate and minimize variables, sample ports were installed at various points in the process. Samples were obtained from these ports in addition to inlet and discharge points for PCB analysis. OHM designed test runs to identify proper run conditions to allow for high extraction efficiency. This investigation continued until the time of demobilization and the problem of efficiency inconsistency was never resolved.



100315

Process synopsis diagram for PCB extraction from soil; Shaffer Equipment Site
Minden, West Virginia

APPENDIX F
NEWSPAPER ARTICLES

100316

EPA Approves \$175,000 From Superfund For Cleanup Of PCB At Minden Site

The U.S. Environmental Protection Agency (EPA) has authorized \$175,000 in Superfund money to contain, control and stabilize PCB (polychlorinated biphenyls) contamination at the Shaffer Equipment Company at Minden. A meeting to inform Minden residents of details of the cleanup is scheduled for 7 o'clock tonight (Jan. 3) at Minden Elementary School.

"This site poses a threat to the public health and the environment as high levels of PCB contamination continuously migrate offsite into the environment. Our immediate goal is to contain the contamination and prevent people from coming into

contact with it," said EPA Regional Administrator Thomas P. Eichler.

The Shaffer Equipment Company builds electrical substations for the local mining industry. Many of these units incorporate various electrical devices such as transformers and capacitors that utilized PCBs for insulation. Apparently, leakage from these items and on-site storage practices are responsible for the PCB contamination.

On Sept. 20, 1984, the West Virginia Department of Natural Resources (DNR) notified the EPA that a DNR inspector had discovered the conditions at the Shaffer site during an

investigation. On Oct. 3, EPA responded by initiating a site investigation in conjunction with the West Virginia DNR. Sampling and analysis revealed PCB contamination in soils and sediment in excess of 50 parts per million which is the EPA regional level of concern. Some heavily stained soils had levels as high as 260,000 parts per million (ppm).

The Centers for Disease Control reviewed the sampling and analysis and agrees that the conditions at the Shaffer site present a threat to the public health by direct human contact. About 70 people live within 400 feet of the site. The cleanup will consist of

three immediate phases. Phase I will be the initial containment of the contamination. Phase II will involve measuring and sampling to identify and determine the extent of contamination. Phase III will include a disposal feasibility study to determine the total scope of disposal; investigation of all available alternatives; and the development of accurate cost estimates for disposal. A final stage, the actual removal and disposal of the contaminated materials, will be developed in an additional funding request upon the completion of Phase III.

The timetable for the entire cleanup will be approximately four months.

The Fayette Tribune

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Two Phases Of Minden PCB Cleanup Completed

By Susan Williams

According to Bob Caron, federal on scene coordinator for the Environmental Protection Agency, phases one and two of a cleanup operation in Minden to remove PCB's from the area has been completed. Caron said the removal operation is "ahead of schedule." Work he anticipated taking 14 days took only five, he explained.

When high levels of PCB's, polychlorinated biphenyls, were discovered in Minden by Department of Natural Resources officer Leroy Gilbert, the EPA determined that the levels constituted a "threat to the public health." Money from the Superfund was allocated for the cleanup, and Caron and his staff moved in immediately to secure the site, notify residents of the presence of the PCB's, and control its migration. That phase of the operation is completed, Caron noted, along with the second phase which includes securing transformers, drums, and switches that contain PCB's at the site and collecting 238 soil and water samples.

A chemist with EPA for 14 years, Caron anticipates being back in 30 days. In the meantime, Shaffer's Equipment will be responsible for security at the site during working hours. After hours, the Sheriff's Department will make several unannounced checks, and the DNR, as well as EPA staff members will make periodic checks during the week.

Caron said samples of the water in Minden mines have been collected, along with other samples taken at the site, but results of those samplings will not be in for 14 days. He said he routinely looks at water supplies, and he believes that the chances are "next to nil" that the PCB's have gotten into the Oak Hill water supply. PCB's are not water soluble, he explained, and if a break in a water line at the site should occur, "positive pressure" in the water lines would keep PCB's from entering the lines. If PCB's should ever be in water, he explained, they would sink to the bottom of the water.

One accident did occur while working at the site, Caron explained. While digging, workers broke a water line under the site. Caron said he and his staff will re-route that line in the future to prevent any further breaks.

At a public meeting with some county and state officials, Caron tried to explain to Minden residents and other interested persons what had been found at the site and what the government plans to do

After he was introduced at last Thursday's meeting, Caron began by explaining what the Superfund is. The Superfund is \$1.6 billion in taxes collected by the petro-chemical industry and other tax payers to be used to clean up hazardous waste areas, even if the company originally responsible for the waste is unknown or out of business. Superfund was only funded by Congress until December of 1985, unless Congress votes to give it additional funds, he pointed out.

Caron told Minden residents that at this time he does not have evidence that the PCB's have migrated much beyond the Shaffer site, but he did note that PCB's have been found at the site of Arbuckle Creek closest to Shaffer's. He had not done testing last Thursday beyond that site. By phone Monday Caron explained additional testing had been done, but he did not have test results.

PCB's have been found 14 inches down into the soil, early tests indicate, Caron explained.

As an indication of how seriously Caron takes the Minden situation, he told the audience he, personally, has a backlog of 42 other cleanups, but he had moved into the Minden area to give it his full attention.

Electricity heats up as it moves along a wire or a circuit, Caron told his audience, and PCB's were originally used as insulators to cool down this heat. When they were first used in transformers, their use was not against the law, Caron pointed out. PCB's are still in use in many transformers here in West Virginia and in other parts of the country, Caron noted. It is now against the law to manufacture PCB's, he continued, and the ones presently in use are being phased out.

Caron called PCB's "bio-accumulating" for their ability to be stored in body fat because it accumulates in the food chain. Much is still unknown about PCB's, Caron noted, so he could not answer all questions raised about this chemical. He explained many people work with PCB's all the time and not all of their health effects are known. The government wants to "err on the side of safety" where PCB's are concerned, Caron explained.

To the healthy adult, Caron went on to say, PCB's present less of a risk than they would to children, the infirm, the elderly, or pregnant women. The body has many abilities to defend itself from attack, but problems can come when the

body receives more exposure to a chemical than it can handle. Overexposure to PCB's can mean the substance might accumulate in the fatty tissue or the liver.

Dr. Abdul Qazi of the State Health Department helped Caron explain the phenomena. He pointed out that each of us takes in salt about three times a day. This same substance, salt, can eat holes into the steel of our automobiles. Dr. Qazi noted. But taken in moderation, salt will not have such an effect on the human body.

PCB's have been known to cause cancer in laboratory animals, Caron explained, but no such testing of humans is possible. One instance where some Japanese people inadvertently ate rice contaminated by PCB's is being studied, though, he pointed out.

If someone has come into physical contact with a large amount of PCB's, the first sign is a condition known as "chloracne" that would be

noted at the point of contact, Caron and Qazi explained. This would mean the skin would be severely dried, cracked, and a type of acne would form.

Another way that a human body could come into contact with PCB's is through the air, but to become air-borne, Dr. Qazi explained the PCB's would have to be heated to extremely high temperatures, and he has no evidence that this was ever done at the Shaffer site.

Persons who worked for Shaffer Equipment who attended the meeting expressed their concerns for their health. Some of the workers said they used to have their lunch right on the site, and others indicated that they handled the transformers that contained PCB's with their bare hands.

One Shaffer worker said he always took his oil soaked clothes home for his wife to wash, and doctors have diagnosed her as having psoriasis. Neither Dr. Qazi or Caron would comment to whether or not her condition could be due to handling work clothes covered in PCB's. They suggested anyone having complaints about their workplace should call OSHA, the Occupational Safety and Health Administration, and for anyone who would like to have their blood tested for the presence of PCB's they suggested calling the State Health Department.

Minden citizens form group to speed cleanup

By Sara Crickenberger
Staff Writer

MINDEN — During the course of about two hours Friday night, an infant called the Concerned Citizens to Save the Plateau was conceived, born and emmitted its first sounds — sounds organizers of the group hope will become much louder as the group fights to hasten cleanup of toxic contaminants in the town.

About 25 people who gathered at Minden Grade School at the invitation of an existing group, the People's Justice Committee, agreed to organize themselves to conduct a

campaign to rid the Fayette County community of PCB (polychlorinated biphenyls) contamination. A handful of Minden residents volunteered to serve as local coordinators.

The group voted to begin petitioning and letter writing in an attempt to expedite the Environmental Protection Agency's plan to clean up a one-acre site that has been contaminated with PCBs. Members of the group expressed hopes of drawing residents from surrounding communities into the battle because of concern about their water

(Please see Minden on 10A)

Minden ■ Continued from 1A

supplies. Several water companies draw water from mines in the Minden area.

Larry Rose, treasurer for the People's Justice Committee, was elected acting chairman of the Concerned Citizens. Rose, John David, acting chairman of the People's Justice Committee, and West Virginia Institute of Technology biologist John Parks discussed the situation with Minden residents.

The residents had a variety of questions ranging from whether their symptoms sounded like something PCBs would cause to questions about what steps to take to ensure their health. They asked if any site had ever been successfully cleaned up after such contamination.

"What do we do?" one resident asked. "Do we go to the doctor and get checked out or do we go home and die?"

Rose, David and Parks did not have answers to all of the residents' questions any more than did EPA and state officials at a public meeting here a few weeks ago, but they advocated a plan of action to obtain some answers from local, state and federal officials.

Rose said the group had to "take some sort of a stand." He said he wants, among other things, a health survey of the town's residents.

"Already people are trying to whitewash it," Rose said. "If we don't do something at this point this will be more or less covered over."

Among the possible alternatives for action presented to the residents were:

- To request the state Department of Health do a cancer/PCB health survey of all households served by the West Virginia Water Company and area public service districts that draw water supplies from the Minden and connected coal mines.

- To request the West Virginia Water Company to release water test results of its Oak Hill area water and compare the results to national data and other data from the tri-state area.

- To compel the West Virginia Water Company to obtain a new source of water.

- To request the EPA to do PCB testing on a wider range to find out whether PCB contamination has occurred in surrounding areas.

- To compel the EPA to release all of its test results and scientific evidence to support the agency's statements.

No representatives of the EPA or state agencies involved in the cleanup effort were at the meeting. Neither were officials from the area's water companies.

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Minden PCB Cleanup Going Well, Caron Says

By Susan Williams

The EPA says PCB work is AOK. Translation: The Environmental Protection Agency, according to on scene coordinator Bob Caron, says that the cleanup of polychlorinated biphenyls (PCBs) at Minden is going well.

Last fall the Department of Natural Resources discovered PCBs at Shaffer's Equipment in Minden. Caron and his staff confirmed the DNR's findings about the potential carcinogen at Shaffer's. Tests showed the soil contained PCB's to a depth of 14 inches. The PCB's were used as insulators in electrical transformers and capacitors until their use was outlawed. Transformers and capacitors at Shaffer's Equipment were found to be leaking PCB's, according to Caron.

Caron says right now his staff is rerouting a waterline that was broken earlier during the

PCB Cleanup Going Well

(From Page 1)

initial phases of this cleanup. A second waterline was also broken recently, resulting in interruption of water to half of Minden, Caron explains. Caron says his only problem with this project is that available maps do not show the location of gas and waterlines accurately.

The EPA staff is also packing up the transformers and capacitors that contain PCB, Caron adds. By the end of this week he hopes to see the oil taken to a General Electric facility in Philadelphia. Later, the GE plant will incinerate the PCB's at a Massachusetts site. "Nothing is free," Caron reminds, and in order for GE to take the PCB laden oil the EPA had to pay the company approximately \$80,000.

No PCB laced soil has yet to be removed from the site. Caron says he and his staff are still estimating how much soil will have to be removed, and they are still considering various options for disposal and for cleaning up the site. As yet no disposal site for the soil has been found, Caron notes.

Reassuring that the cleanup is going well and no water source has been contaminated, Caron points out "nothing we do should impact on Oak Hill."

Earlier some citizens had voiced concern that the PCB's could contaminate local water supplies, but tests by West Virginia Water Company and by the EPA show no contamination in any drinking water source.

100320

The Fayette Tribune

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N. Hill, West Virginia 26001

Thursday, February 28, 1985

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Minden PCB Level Not Dangerous, EPA Says, But Christian Wants More Tests

By Susan Williams

Although federal on scene coordinator Bob Caron of the Environmental Protection Agency affirms there is no health or environment threat, he does acknowledge that low levels of PCBs, polychlorinated biphenyls, have been found in a few backyards of Minden residents.

Last October the Department of Natural Resources found PCBs at Shaffer's Equipment Company, and the EPA confirmed those findings. PCBs were used as insulators in electrical equipment until their use was banned when laboratory tests indicated they could cause cancer.

Transformers and capacitors at Shaffers were leaking PCBs into the soil at least 14 inches, the EPA discovered. An EPA news release declared that "some heavily stained soils had levels (of PCBs) as high as 260,000 parts per million."

At his first public meeting informing Minden residents of the plans EPA had for cleaning up Shaffers, Caron had noted that the PCBs in the soil at Shaffer's had migrated into a creek that poured into Arbuckle Creek. But, he noted then, that PCBs are not water soluble and not known to migrate far from their original site.

By telephone Friday, Caron

explained that some of the 278 samples taken in January reveal that a few Minden residents have PCBs in their backyards. But the amount of PCBs there are "five times below the level considered to be toxic." For that reason he has no plans to remove those PCBs.

At the first public meeting Caron conducted in Minden, he explained that PCB contamination poses a greater risk for pregnant women, children, and the elderly. Now Caron adds that the present level in the yards of Minden residents is still five times below the toxic level with counts for pregnant women, children, and the elderly

figured in.

Although Caron does not think the PCBs in the residential areas constitutes a health threat, he added that the fact that some PCBs have migrated from the original site lends "further credence to what we are doing" to cleanup the site at Shaffer's. He also repeated that the PCBs in the residential areas are in the soil only and not in any water supply.

Caron explained he could not justify the costs of removing the PCB soil in residents' yards because the low levels do not constitute "a threat to the

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public health or the environment." Superfund money is being used for this cleanup, and he explained that legislative restraints prohibit using the money unless a health or environmental threat is imminent.

Caron added that the federal Center for Disease Control in Atlanta has numerous studies to draw from that conclude that the low levels in the yards are of no concern to residents' health. As an example of how much exposure would cause harm, Caron said people would have to "eat most of their backyards" before the ingestion of those PCBs, in those levels, harmed them.

"To cross check" their findings, Caron said he and his staff will be taking more samples along Arbuckle Creek and in residents' yards.

When asked why he is just now revealing these findings, Caron noted that 278 samples were taken in Minden, and it takes time to sift through that material and to check for quality control of how the samples were collected. Taking the samples alone cost \$28,000, he explained.

Clarence Christian, county sanitarian, has requested a health survey of Minden in the wake of knowledge that PCBs have been found in the yards of some Minden residents. Christian was informed of the discovery of PCBs in residential areas only recently, he noted. Christian has requested this survey in hopes of alleviating fears about health problems in the community.

He explained that the health department has told him it does not believe it has enough staff to do such a survey and would like for the Center for Disease Control to help. Christian noted that the CDC works under the same guidelines as does EPA, and according to EPA guidelines the amounts of PCBs in the resident's yards is so low that no health threat is present.

When asked if residents should plant gardens, Christian repeated what he was told by Caron at a public meeting. Caron had explained, Christian said, that PCBs could not be taken up by plants. Also at that meeting, Christian said he asked Caron if a random sample taken of anyone's yard in any section of the country

could reveal the presence of PCBs, and Caron had told him quite possibly due to the widespread use of PCBs over the years.

Christian has submitted data he received from EPA to the State Health Department, but he has not had a reply as yet. In the meantime, Christian plans to take more samples and do more monitoring on his own.

Christian pointed out that the EPA will use \$800,000 of the Superfund to remove 2,000 to 2,500 cubic yards of earth, 27 transformers, and 107 PCB capacitors. "Why not spend a little money on a health survey?" he questioned.

In a letter Christian wrote to the epidemiology unit of the State Health Department he said, "It would definitely appear logical to conduct some sort of epidemiological study on the present and previous employees (of Shaffer's Equipment) that can be located due to their possible prolonged and direct exposure to the PCBs." Christian then suggested expanding the health survey to residents adjacent to Arbuckle Creek. "If PCB is of such a hazardous nature," Christian continued in his letter, "that it is necessary to go to such expense to clean it up, it would be worth the expense to evaluate the populace exposed for possible side effects."

Jim Grubb owns two houses and a garage in Minden. He rents one of the houses, but explained that he had to move one family out because of continual flooding from a nearby slate dump. He pointed out that his renters did not ask him to move them out, but he did after water went into their house on two occasions. He planned to reinforce part of the house walls that suffered flooding damage, he said.

In the meantime, Grubb has learned that PCBs are now located on his property. Since Grubb does not live in Minden he was not notified in person as other residents were.

EPA on scene coordinator Bob Caron explained the oversight by saying the people Grubb rents to were probably given notice. He said he and his staff went to people's houses and told them in person about the findings. He said he also assured them that the levels of PCBs were so low they did not constitute a health threat.

Grubb said he has been contemplating a civil action to compensate him for his property damage against the company he alleges is responsible for the PCB contamination and from the company he feels is responsible for the flooding damage. He has protested all the way to the governor's office the flooding and consequent build-up of sediment in the creek, he said. Then Gov. Jay Rockefeller told Grubb he turned his complaint over to the Department of Natural Resources. Grubb said,

public meeting at Minden School where those in attendance were told about the PCBs at Shaffer's Equipment. From listening to an explanation of the first signs of direct exposure to PCBs outlined by Dr. Abdul Q. the State Health Department, Grubb believes he has chloracne. He said he has a rash on his forehead and in his scalp. The rash is the same, he said, as the one he had on his hands after digging out footer on his property in Minden where creek dredging had been done. Grubb plans to see a dermatologist about the problem, he said.

He is concerned about having "heard so many conflicting stories" about the PCBs in Minden.

Grubb said his property values "won't be worth anything. I don't think I could rent it again," he said of PCBs having been found on his property.

Loretta Hatty, the state epidemiologist for the health department, explained by telephone that since only five off site soil samples show PCBs ranging from 11 to 15 parts per million there is no cause for alarm. To constitute a health threat, she added, at least 50 parts per million in the soil would have to be found. There will be additional samplings taken, she pointed out, but until it can be shown that larger quantities are there there need for concern or action by the health department.

Ms. Hatty said her office is not issuing any guidelines to residents for how to protect themselves against the PCBs. Just working in the dirt would not be harmful, she said, but if someone was actually "drenched or doused with the (PCB) oil" it could cause harm. She also said no oil has been found in the yards, only contaminated soil. She said PCBs bond to soil, but like oil on water, separate from water.

The Department of Natural Resources and the EPA failed to notify this paper in advance of the last public meeting held to discuss the PCBs at Minden. This newspaper has informed both organizations about the deadlines in order to inform our readers promptly when future meetings are scheduled.

100322

11 PM '85
July 17, 1985

the Charleston Gazette

Showers are in use today along with temperatures. Highs be around 64 F with lows around 49 F. Details are on Page 16A.

SHOWERS

4A

Cleanup innovations used at Fayette site

By Susan Williams
STAFF WRITER

MINDEN — For the first time, polychlorinated biphenyls — PCBs — are being destroyed on the site where the toxic chemicals were originally found.

Bob Caron with the Environmental Protection Agency is optimistic that PCBs can be eliminated from soil at Shaffer's Equipment in a process never before attempted on a large scale.

By destroying the PCBs at the Fayette County site, the expense of shipping them to a hazardous waste dump hundreds of miles away will be reduced, and the dangers of having those same chemicals eventually leak from the dump are reduced, explained Caron, on-scene coordinator for EPA.

PCBs were found at the site last fall by a Department of Natural Resources officer. When Caron first saw the site, he said, the field around Shaffer's Equipment was filled with electrical equipment transformers and capacitors have already been shipped to two out-of-state incinerators.

PCBs were used as insulators for electrical equipment, but their use was banned by the government when health officials declared PCBs a possible cancer-causing agent.

The EPA declared the Shaffer site a danger to public health because of the soil contamination and because some of the PCBs had emptied into Arbecite Creek, which flows into the New River. Some of the soil at Shaffer's had levels of PCBs as high as 200,000 parts per million, and the PCBs soaked into the soil as deep as 14 inches.

The Shaffer site is near the wa-

Picture on Page 1A

Hill, but both Caron and West Virginia Water officials say the PCBs never entered the water system.

Some of the toxic chemical has been found in the yards of Minden residents because of repeated flooding, but the Center for Disease Control in Atlanta does not consider the levels in the yards to be a health threat, Caron said.

A two-part process is being used by the EPA and O.E. Materials, a private company based in Findlay, Ohio, to clean up the site. Caron said the process will be patented and could revolutionize how hazardous wastes are destroyed.

A "screw extrusion" is used to separate the PCBs from the soil, Caron explained. As the soil passes between the blades and paddles of the screw, the chemical Freon is added to the soil. The Freon soaks up the PCBs, thus cleansing the soil.

This process is commonly used on a small scale to study any material in soil, Caron pointed out. But to be cost-effective for removal of hazardous material, this process had to be repeated on a large scale.

After the PCBs are separated from the soil, there's another process to cleanse the Freon of the toxic chemical. An expensive chemical, the now uncontaminated Freon then can be resold to recover some of the expenses of the cleanup, Caron said.

Shaffer's Equipment is still open for business, even though the EPA set up its lab operations there several months ago. Shaffer's makes and repairs power substations for underground mines. Caron said he has had full



Innovative cleanup

Bob Caron of the Environmental Protection Agency, far right, and two EPA workers dig out samples of soil contaminated by polychlorinated biphenyls, PCBs, at a former mining site at Minden, Fayette County, Thursday. The men are working with 4,500 cubic

weeks they will try destroying hazardous materials on the site. Such an operation has never been attempted before. If the operation is successful, the disposal of toxic substances will be revolutionized. Story on Page 4A.

Picture photo by DAVID VA

100323

EPA Nearing Actual Cleanup Of PCB's At Minden Location

By Danny Wright

The Environmental Protection Agency will soon complete its research and development phase for the eventual cleanup of Minden's PCB-contaminated Shaffer Equipment Company site. Once work actually commences, the EPA is hopeful for completion by September 1985.

HISTORY OF PCB's

In order to better understand the problem at Minden and the upcoming cleanup process, it is necessary for the reader to examine the nature and history of these industrial chemicals.

Polychlorinated biphenyls, commonly called PCB's, were manufactured in the United States from 1929 until 1977. Production of these industrial chemicals, by law, is no longer allowed in the country, because they are now known to be hazardous to health and the environment. But many of the hundreds of millions of pounds of the PCB's once widely used are still found throughout the nation.

PCB's are part of the broad family of organic chemicals known as chlorinated hydrocarbons. PCB's range in consistency from heavy oily

liquids, weighing 10-12 pounds per gallon, to waxy solids. These synthetic chemicals have a high boiling point, a high degree of chemical stability, low solubility in water, high solubility in fat, low flammability, and low electrical conductivity--ideal properties for many commercial uses. PCB's were and continue to be used primarily as cooling liquids in electrical transformers and capacitors. Most of the PCB's marketed in the United States are still in service in those types of products. PCB's have also been used as heat transfer and hydraulic fluids; as dye carriers in carbonless copy paper; in paints, adhesives, and caulking compounds; and as sealants and road coverings to control dust.

PCB's are a problem because they are hazardous to health at extremely low levels. Among the most stable chemicals known, PCB's decompose very slowly over a period of several decades once they are released into the environment. They remain in the environment and are taken up and stored in the fatty tissue of all organisms. The concentration of PCB's in

fatty tissue increases with time even though the exposure levels to PCB's are very low. Another major problem is the buildup of PCB's in the food chain. As living organisms containing PCB's are eaten by other organisms, the amount of PCB's consumed by each high organism increases. The concentrations consumed by humans, at the end of the food chain, can thus be significant.

PCB's can enter the body through the lungs, the gastrointestinal tract, and the skin. Once ingested, inhaled, or absorbed into the body, PCB's are circulated throughout the body in the blood and are stored in fatty tissue and several organs, including the liver, kidneys, lungs, adrenal glands, brain, heart, and skin. Once in the body, PCB's can wreak havoc. In well-documented tests on laboratory animals, it has been shown that PCB's can cause reproductive failures, birth defects, gastric disorders, skin lesions, swollen limbs, cancers, tumors, and eye and liver disorders, among other health problems.

In brief, PCB's can and have caused human sufferings, environmental damage, the destruction of thousands of farm animals as well as large quantities of contaminated food and feed, and economic problems for companies involved in PCB accidents.

According to Raymond Germann, EPA Region III Office of Public Affairs, the EPA believes the primary threat to human health at the Shaffer complex is direct contact with contaminated soil and sediment on the site. Soil has been found to contain PCB's at levels as high as 27 percent. Because the site is unfenced, easily accessed and located in a residential area, these levels are a source of considerable concern. The extraction process now being considered would mitigate the direct contact threat. In addition, there is off-site migration of PCB's into Arbuckle Creek. This situation

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presents a threat to the environment because PCB's can accumulate in the fatty of animals and fish, and could have a detrimental effect on the food chain.

The source of the Oak Hill water supply has been sampled and shows no contamination by PCB's. The EPA believes that the potential for PCB's contamination of the Oak Hill water supply related to the Shaffer site is extremely low.

NEW CLEANUP PROCEDURE EYED FOR SITE

Bob Caron, on-scene coordinator at Minden and a chemist with the EPA, hopes a new cleanup procedure, never before used by the EPA, can be implemented at the Minden site. Once approval is granted by EPA's Washington

headquarters, actual cleanup work could start as early as July. Once the work begins, the EPA has 120 days in which to complete the cleanup process. The tentative target date for the project's conclusion is September 1985.

The proposed cleanup method involves extraction of PCB's from contaminated soil utilizing newly designed, sophisticated equipment. EPA's Emergency Response Section plans to use the equipment to mix contaminated soil with a solvent, thereby extracting the PCB's and forming a smaller volume contaminated sludge. The solvent is considered proprietary, however the primary constituent is freon which the EPA considers relatively innocuous and of very low toxicity. Freon is commonly used as a degreaser, refrigerant, etc., and is found in the home of refrigerators and air conditioners. The equipment is designed for zero discharge, that is no release. The soil is then dried to remove all freon and placed back on the site after sampling shows PCB concentrations less than 50 parts per million. PCB concentrate is then trucked to a permitted hazardous waste incinerator out of state.

This system will concentrate the PCB's to a much smaller volume, saving both fund money and landfill space. Recent public concern over hazardous waste landfills and over-land transportation of contaminated materials has encouraged the use of such options. EPA intends to use new technologies to detoxify sites rather than transferring the problem.

This extraction process has been used by industry to remove coal tar from sand and to desulfurize coal. Industry has found this process to be very successful, and EPA's lab work indicates that it will be equally successful at the Minden site.

As for the company which will actually conduct the cleanup, the EPA utilizes a pool of certified contractors at most emergency response sites in the five-state region encompassing Pennsylvania,

Delaware, Maryland, Virginia, and West Virginia. Region III of the EPA has initiated approximately 90 emergency responses since 1980. The contractors within the Environmental Response Contracting Services are available upon request, and do not have a bid for a project. The ERCS contractors are equipped and trained to use protective gear, tools, and equipment specifically designed for work with hazardous materials.

Although the funds for the cleanup will come from the Comprehensive Environmental Response Compensation and Liability Act (Superfund), efforts will be made to recover all such federal expenditures from responsible parties. However, the Shaffer Equipment Company is not expected to participate in the actual cleanup.

The EPA fully expects success in their upcoming revolutionary cleanup process, due in part, to the input from a host of national experts from both industry and government into the process design. If, for reasons unforeseen, the project does not meet with success, the EPA will dispose of the soils by either incineration or landfilling out of state with all work completed by the September target date.

For all citizens wanting to express their views or ask questions about the cleanup or any other phase of the Minden project, your opportunity is at hand. A public meeting will be held on July 2 at 7 p.m. at the Minden Elementary School where all interested parties can meet with EPA officials.

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100326

PCB level too low for survey, residents told

By Susan Williams
STAFF WRITER

MINDEN — Minden residents and others concerned about possible health problems caused by the large volume of polychlorinated biphenyls found at a former mining site were told that their exposure level to the PCBs was too low to warrant a health survey of the area.

Last fall a Department of Natural Resources officer discovered PCBs leaking from dozens of pieces of electrical equipment at Shaffer's Equipment Co. in Minden. The Environmental Protection Agency then moved in to clean up the site because the chemical was found at least 14 inches in the soil with concentrations as high as 260,000 parts per million. PCBs were used as insulators in electrical equipment until their use was banned when laboratory tests showed they could cause cancer in rats and mice.

At a public meeting Tuesday, citizens were told by members of

the federal Center for Disease Control and the state Health Department that the exposure level was too low to prompt a survey.

The EPA disposed of all the leaking equipment, covered and contained the contaminated dirt, and began an experimental process to destroy the PCBs on the site.

Bob Caron, in charge of the Shaffer site for the EPA, said that in the past hazardous materials were taken to a disposal site where the material could eventually leak and cause new problems. But using a new treatment method that extracts the PCBs from the soil with the use of Freon, the same chemical used in refrigeration, then stripping the Freon from the PCBs, the site could be rid of the PCBs.

PCBs have been at the Shaffer site for many years, Caron said, and some of the PCBs did wash into neighboring Arbuckle Creek that has flooded Minden for decades. This flooding and the period-

ic dredging of Arbuckle Creek caused some PCBs to enter the yards of some Minden residents. The levels in the yards measure 17 parts per million, and Dr. Jeff Lybarger of the CDC in Atlanta said that level does not constitute a health threat.

Lybarger explained at the public meeting that the CDC has studied various populations that were exposed to PCBs at greater levels and did not find elevated levels of PCBs in the blood of those people.

"Almost everyone in the country has PCBs in their blood," Lybarger said. PCBs became widely dispersed in the environment before their use was banned, he said. He said the levels of PCBs in the yards and creek would not harm them.

The Shaffer site is near two water sources, one for Oak Hill and one for Minden. Water samples taken by EPA, the Health Department and the West Virginia Water Co. revealed no significant levels.

Tom Muncy, district manager

for the Oak Hill office of West Virginia Water, said his office tests for seven different types of PCBs every three months. The last test in March found a reading of less than 0.001, "the smallest amount that can be measured," he said. That reading sent to their lab in Belleville, Ill., means that there are no PCBs in the water, Muncy said.

Residents who had PCBs in their yards demanded the chemical's removal, but Caron said that by law he can only remove soil that has a concentration high enough to be a health threat.

Lybarger told the group that the CDC had surveyed a group of people who had unknowingly used PCBs contained in a sludge fertilizer on their gardens and were eating the food. The sludge contained 450 parts per million of PCBs, a much larger number than the 17 ppm in the Minden yards. Lybarger said that survey showed no significant increase in PCBs in the blood of the people who used the fertilizer.

EPA gearing up at Minden for on-site destruction of PCBs

By Susan Williams
STAFF WRITER

MINDEN — The Environmental Protection Agency will destroy thousands of pounds of soil in Minden where contamination was discovered a year ago, EPA officials said.

Polychlorinated biphenyls, or PCBs, a suspected cancer-causing agent, were found leaking from dozens of pieces of electrical equipment at Shaffer's Equipment Co. in Minden.

The EPA disposed of the leaking equipment, then covered and contained 4,500 cubic yards of polluted soil. EPA found PCBs 14 inches deep in the soil with concentrations as high as 260,000 parts per million.

Instead of trucking the contaminated soil to a landfill where pollutants could leak, the EPA and a private company, O.H. Materials of Findlay, Ohio, will destroy the PCBs on the site.

Bob Caron, a chemist with EPA in charge of the cleanup, said the PCBs are not a threat to public health now, and when the chemical is removed, Minden will have no more PCBs.

A guard stops visitors at the site where heavy equipment is being put into place. The guard keeps track of names and car license plates of anyone coming to the site.

In addition to site security, members of the Atlantic Strike Team, a part of the United States Coast Guard, are also in Minden to ensure the safety of the operation. Caron said the strike team specializes in spills on water and they are experts in dealing with chemicals.

Large concrete slabs have been poured next to the huge, plastic-covered mound of contaminated soil. The slabs support equipment, but can also contain any possible spill of chemicals during the on-site destruction, Caron said.

Caron said he expects chemical history to be made at the site. For the first time on a large scale PCBs will be destroyed on site. The chemical freon along with molten salts will be used to separate the PCBs from the soil. The freon will take up the PCBs, then the molten salt process will strip the freon from the PCBs. Freon is expensive, but it can be cleaned

and resold after use in this cleanup.

Caron said he knows the process works on a small scale, but he had to be sure it would work on a large scale and be cost effective. Equipment being installed at Shaffer's is "overdesigned for flexibility," he said. In the extractor where the PCBs will be stripped, two screw devices, instead of one, are in place. The equipment is designed to handle 10 tons of dirt an hour. When the destruction process begins, the equipment will work 24 hours a day for 30 days to rid Minden of PCBs.

Superfund money is paying for the cleanup. Superfund was established by Congress to pay for cleanup of abandoned, hazardous chemicals. Caron said the government can save money by destroying the chemicals on site and not have to pay for monitoring a hazardous waste dump for years to come. Destroying chemicals also breaks the cycle of just moving a hazardous chemical from place to place.

Concerned Citizens to Save the Plateau sued EPA to get information about the PCB cleanup. Caron said he has always been ready to show his reports to the public. The chairman for Concerned Citizens is scheduled to be at the site to read his reports.

Caron said the Minden site is "run of the mill" in size when compared to other sites across the country. The site is on a flood plain and some of the PCBs flowed into a small stream that runs through the property, causing EPA to consider the project an emergency.

"This site has not been a threat to public health since February," Caron said, after EPA stopped the flow and contained the PCBs.

Concerned Citizens also said contaminated soil was used to reclaim a coal refuse pile in Minden near Shaffer's. Caron said that was not true and tests for PCBs at the reclamation site show no trace of PCBs.

Concerned Citizens asked for a health survey of the community, but at a public meeting officials from the Center for Disease Control in Atlanta denied the request. CDC staff members said other health surveys of people with much higher levels of exposure to PCBs did not indicate a health

threat. Since the levels in Minden were lower than those for other studies, the CDC said it could not justify the expense for another study.

The Fayette Tribune

Monday, October 14, 1985



This covered PCB-laden dirt pile on Shaffer Equipment Company property at Minden has been a cause of much concern recently to anxious area citizens. This pile and surrounding site will be the scene of a major

media presentation Wednesday which will make many, even possibly a nationwide audience, more well aware of the novel PCB removal system which has been installed.

[TribPhoto By Kelvin Holliday]

100328

PCB Removal At Minden Site Ready To Proceed

By Kelvin Holliday

A major media - only press conference may make national news about the on - site PCB removals taking place at Shaffer Equipment Company at Minden. This removal, a first - time activity using specially designed equipment provided through O.H. Materials Company of Findlay, Ohio, is being guided by officials of both the U.S. Coast Guard and Environmental Protection Agency (EPA). The major media event is tentatively set for 2 p.m. on Oct. 16.

The Shaffer Equipment Company site recently has seen the addition of several trailers, including a pair of command posts, a testing lab, and processing units. This area has not featured a security force as such, but does include snow fences around its other boundaries, including Arbuckle Creek.

Most of the month of October has been spent in the facility's

"set up phase," pointed out Bob Caron, on - scene coordinator. This operation's notable, new removal of PCBs on - site for the first time is expected to get underway Monday (today), and will continue "24 hours, around the clock, for 30 consecutive days" to totally alleviate existing health hazards, added Caron.

FIRST OFFICIAL EPA RESPONSE

A flood plain previously existed in this sealed - off area in Minden off Arbuckle Creek, and the discovery in 1984 of low - level PCB traces washed into yards up to one mile away from the PCB-laden dirt pile led to intervention by state authorities. The Environmental Protection Agency first began studies of the site in December 1984 at the state's request, and determined that PCBs were, in fact, entering Arbuckle Creek at low levels.

"PCBs which washed up into Minden area yards were not deposited in any dangerous level, so there is little if any chance of a health impact from past spot flooding," pointed out Bob Caron, on - scene coordinator. "The key concern, in many minds, is that past workers who were exposed to PCBs have health problems related to their long - term at the site, all data available at this time does not support this fear. At EPA, we would rather that any error, if any, be made on the side of safety."

Certification of evident PCB levels was first provided at the site through the state and local health departments. This certification enabled EPA to be given authority to enter the site and start correcting the situation. "When we (the EPA) went in, there was a direct threat due to the PCBs, and we are trying now to remove the

threat of potential exposure," commented Caron. "The EPA is a regulatory, and not health, agency, and this project is being governed by Superfund guidelines."

Standard EPA policy is that those who generate hazardous material must minimize actual damages through such activities as "recycling" this material. The problem at Minden was that the responsible party came under RCRA law which states that the party is "either 1) not known, or 2) cannot financially correct the problem." Enforcement provisions are included RCRA (Resource Conservation and Recovery Act) which just passed the U.S. Congress in 1985.

New equipment is being used for the first-time removal of PCBs at Minden. Preparation of the site for the equipment installation included a very wide variety of activities which included soil samplings, creation of a holding cell, re-routing of water around the site, and restoration of the site's natural grade.

PREPAREDNESS PLANS

Many preparedness plans exist covering foreseen emergency possibilities at the Minden PCBs site.

"All the workers allowed on this site are expected to know know their responsibilities up front -- what to do when and if an emergency arises," announced Bob Caron. "This set up is extremely safe. All 35 of the contractors are well-trained in fire-fighting; in addition, they have had much medical monitoring -- a costly, but necessary, type of training."

Caron commented that

PCB Removal At Minden

(From Page 1)

strong support from Oak Hill's fire and police department was "ready to roll" and could respond in 3-8 minutes depending upon the type of call. A radio connection could provide the "fastest response possible," added Caron.

As a county, the EPA's Caron gives Fayette a grade of "good" in terms of total emergency preparedness. "I feel Fayette County has gained a good overall awareness of the issues and is seeking the proper training," pointed out Bob Caron. "I've been most impressed with the Sheriff's Department and feel, with more money, Fayette could attain an 'excellent' rating."

Caron is well qualified to rate preparedness at the county or other level, and recent related emergency work has included service at Union Carbide leaks at South Charleston and Institute which have been headlines.

OSC STAFF INTRODUCED

On-scene Coordinator Bob Caron is joined by a most competent Minden PCBs removal crew which includes five staffers from the EPA's "inland crew" and the "coastal crew" of the U.S. Coast Guard (three members) which share joint responsibility for implementing environmental law. The three Coast Guard reps are part of a specially trained hazardous materials team.

O.H. Materials has 35 contractors on the scene. This experienced outfit operates in a five-state area which was called, by Caron, "probably the best environmental cleanup firm in the entire U.S." This group has gained most of its experience working with train wrecks and major drum fires.

Bob Caron is one of only 10 On-Scene Coordinators (OSC) in a five-state region. An OSC, through the president, is delegated eminent authority to determine if a health threat exists at a selected site and can seek funds to correct such problems. The law generally allows an OSC to respond to "any threat to the public health and environment," as was the case with Caron's call to the scene of the Union Carbide leaks recently in the Charleston

Caron disclosed that Superfund programs technically expires Sept. 30 due to "plenty of politics." Without the passage of a new law within 45 days, described as unlikely by Caron, Superfund employees like him soon will "hit the streets." Caron added that he and his fellow employees are well-trained and will "easily" get other good jobs. The loss of chemical experts like Caron, however, would be a large one to a surviving EPA.

SUPERFUND SETUP

"The bottom line on the expiration of the superfund program is that things will be left up to state and local government, so much less is going to get done," detailed Caron. "I personally feel that the inaction by Congress in this matter has certainly been a crying shame."

Caron commented that the public was well aware of Superfund's "remedial program," which creates a national priority list for cleanup sites. The list currently includes "about 800 sites."

The major operation Minden falls under the lesser

known "Emergency Response Program," which is designed to control and stabilize unstable sites. Cleanup operations, as such, do not occur since the stated goal is "removal of an evident health threat."

EPA terms this state's region, which also includes Pennsylvania, Maryland, Delaware, Virginia, and Washington, D.C. "its busiest." Costs can reach astronomical figures at selected sites. The Minden work is expected to total \$2.3 million, and about \$1.8 million of this will occur in the actual disposal of PCB which will be separated from dirt on the site.

PCB STUDIES

SOMEWHAT LIMITED

Studies on the subject of PCBs have become serious only within the past six years, stressed Caron. "Scientists can easily see the toxicity of PCBs in an animal, most particularly in rats, but the toxicity to humans is unclear at this time, although many think the effects should be similar on humans," explained Caron

Normally PCBs are trucked thousands of miles inside of contaminated soil, but this practice has posed many problems, including: 1) actual transfer of PCBs from place to place; and 2) long-term monitoring of particular PCBs. The separation of PCBs from the soil, as is being attempted at Minden, will enable the PCBs to be transferred to an off-site incinerator for final destruction. "PCBs from Minden will be sent to one of five sites okayed by the EPA, by bid basis, which includes many factors; these PCBs will, therefore, not necessarily go to the nearest approved incinerator," detailed Caron. "Given that this technique will work for the first time at Minden, we will destroy all of the waste and worry associated with these PCBs."

CITIZENS CONCERNS

Bob Caron closed overview of the the Minden PCBs removal operation by stating that area citizens need not be overly concerned with health-related worries. "Workers like myself will work 365 days a year with these protective suits in place, but that is because we constantly have our hands and noses in it," noted Caron. "The normal citizen certainly has little cause for concern, although those who are exposed to PCBs over the long-term may be susceptible to some problems later."

The usage could be the greatest cause for concern at the site, confirmed Caron, who concluded that this element was chosen since it was relatively innocuous. Methanol, which is similar to wood or rubbing alcohol, is a very minor health hazard "unless an individual bathes in it or drinks it."

Questions concerning past workers and how things once were at the site cannot be definitively answered, admitted Caron, who added that victim compensation had been the problem with the Superfund program. "We feel that our corrective action can completely clear up the problem at Minden," closed Caron. "We will work around the clock to remove the health hazard by Nov. 10, but may remain just beyond that date to lay topsoil and plant seed to prevent erosion at the site

★ The Charleston Gazette, Thursday, October 17, 1985



Bob Caron of the Environmental Protection Agency is in charge of the cleanup at the Minden site.

Gazette photo by KENNY KEMP

100332

The Charleston Gazette, Thursday, October 17, 1985

EPA, company removing PCBs from Minden soil

By Susan Williams
STAFF WRITER

MINDEN — For the first time, the Environmental Protection Agency and a private firm are stripping major concentrations of a hazardous chemical from contaminated soil at the site of the pollution, EPA officials said.

Last fall, a Department of Natural Resources officer found polychlorinated biphenyls, or PCBs, a suspected cancer-causing agent, leaking from dozens of pieces of electrical equipment at Shaffer's Equipment Co. in Minden, Fayette County. EPA contained 4,500 cubic yards of soil at the site under plastic.

Bob Caron, an EPA chemist in charge of the cleanup, did not want the pollutants transferred to a landfill where they might leak. He wanted a permanent solution to the problem. With the help of a private company, O.H. Materials of Findlay, Ohio, he set up equipment to clean the soil on the site.

Wednesday, workers ran clean soil through sophisticated equipment to test it and show the news media how it works.

Caron said polluted soil will be moved through the equipment where large paddles in a screw device will mix it with methanol. The methanol will strip the PCBs from the soil. The extracted PCBs will be shipped to an incinerator, and the soil will be returned to the site.

Caron said the soil will probably have less than five parts per million of PCBs after processing. Less than 50 parts per million presents no health threat, he said.

The cost of the project is estimated at \$1.5 million, less than alternative methods of cleanup. Besides saving money, Caron said the process is a giant step in cleaning up hazardous wastes instead of just transferring them to other sites.

Originally, Caron planned to use Freon, a solvent, instead of methanol, but he said Freon would not work efficiently with the mounds of wet soil. Methanol is

flammable, he said, so the equipment is blanketed with nitrogen.

Local fire departments had a drill at the site Tuesday, Caron said, in case there is an emergency. Members of the Atlantic Strike Team of the United States Coast Guard also provide security and will respond in an emergency.

The machinery is spark-proof and can process 10 tons of soil an hour, Caron said. He said the extraction is a "clean process with no emissions."

Once the cleanup is completed, Caron said the soil will be sampled again. If the levels are as low as expected, he will not need to return to the site.

PCBs were once the "miracle chemical," Caron said, because of their ability to absorb heat without breaking down. PCBs were even used in candy wrappers, he said. They were also used in electrical transformers.

Sue Workman, a Minden resident for 14 years, is vice president of Concerned Citiz-

zens to Save the Plateau. The group formed when it learned about PCBs at Shaffer's.

Workman said her "greatest fear is not knowing exactly what the effects of PCBs are. We have been assured we have been exposed to low doses only, but no one knows for sure what the effects are.

"Even though it is experimental, I am pleased with the cleanup. I'm glad they are there and finally doing something. I'm worried about it being there so long, and I'll be relieved when it is finally gone," she said. She said the PCBs were leaking at Shaffer's for many years before the public knew they were there.

The Shaffer site is on a flood plain that floods several times a year. Low levels of PCBs washed into yards, Caron said earlier.

Although her group sued EPA for information about the cleanup, Workman said she has never been to the site. Caron said earlier he has always been prepared to show his documentation to anyone.

EPA Unveils Experimental PCB Cleanup Technique At Minden

By Kelvin Holliday

Bob Caron, EPA's On-scene Coordinator (OSC), provided a thorough tour of the novel Minden PCB cleanup project on Oct. 16. Clean dirt was run through the system to test the operational effectiveness of the test unit, with work set to start "for real" the following day. "No media, public, and especially no smoking will be allowed on the site when PCBs start running through the system Thursday," stressed Caron.

As promised, this tour was a true media event which attracted several regional newspapers and every television station in the Huntington - Charleston - Bluefield radius. Any photography of equipment exteriors was allowed, but the patentable nature of the novel devices prevented "inside" photography of materials made by O.H. Materials, contractor.

O.H. Materials Vice-President Bob Graziano expressed hope that media efforts might provide a favorable impact for area citizens concerned about the safety of this operation. "We are pleased with everything that we have seen so far in starting this activity," Graziano told this newspaper. "EPA's involvement in this project ushers in a whole new era in technology. Normally PCBs would be transported in non-treated soil, and potential problems would remain. Right now we are putting together the final steps in this new treatment and are shaking down our equipment."

OSC Bob Caron confirmed

this "testing phase" to media members, and called the process "fine tuning." He estimates that work at the site will be completed in 35 days, with two 12-hour shifts of 30-40

Oak Hill Chief Says Firemen Ready For PCB Emergency

By Kelvin Holliday

Oak Hill Fire Chief Delbert Cordle's crew would be the first outside team on the scene in the event of any emergency at the Minden PCB cleanup site, confirmed the chief, in an Oct. 17 interview. "We first started meeting with the Minden cleanup crew about a month and a half ago, and have had two more meetings since that time," commented Cordle. "Our most recent get-together dealt in depth with various emergency situations, on Oct. 15, and we split our firefighters into two groups for separate one hour sessions."

Oak Hill firefighters have been advised of need for special foam in the event of fire at the Minden site, and have it on hand on a pumper which travels throughout the city. "An emergency 299 code has been set up so that the entire Plateau area would be alerted to any immediate danger at Minden," mentioned Cordle. "The 299 system is tied into REACT, ambulance services, state and city police, Fayette Sheriff's Department, and volunteer fire departments at Oak Hill.

workers to operate "around the clock." Caron told news representatives, "This new technology seeks permanent solutions to the problems with PCBs. EPA previously has had to transfer PCBs in this region to landfills as far away as New York and Alabama. The alternative of incineration is also an unattractive one since it is so costly. Our given goal here is to destroy the PCB contaminants."

Caron confirmed that 99.999 percent effectiveness is forecast following an extensive engineering and research effort in setting up this particular project. EPA officials officially responded to the problem of PCB off-site migration from Minden's Shaffer Equipment Company site on Dec. 26, 1984. EPA effectively sealed off known PCB-laden dirt in a pile through a two-level covering. Following sampling in the area, work began in earnest on this novel project. Ray Germann, public information spokesman from EPA's Philadelphia office, explained:

"The cleanup will be the first of its kind, and should eliminate the need for environmentally undesirable landfilling of PCB-contaminated material by detoxifying the soil on site. The soil will be mixed with methanol which will remove the PCB. Treated soil will then be placed in excavated areas and regraded, and the small volume PCB waste will be transported to an approved hazardous waste incinerator for final disposal.

"Sampling and analysis

See EMERGENCY - Page 7

See EPA - Page 8

EPA Unveils PCB Cleanup

conducted during early 1985 showed that soil at the Shaffer site, located on W.Va. Route 17 in Minden, contained as much as 270,000 parts per million (ppm) of PCB, which apparently leaked from transformers and capacitors stored on site. EPA has determined that soil contaminated with more than 50 ppm of PCB presents a potential health threat to humans.

"EPA spent \$720,000 for sampling and analysis, on-site containment, and, regarding, contaminated soil.

"EPA has approved the

expenditure of \$1.5 million to finish the cleanup. The project is being financed through Superfund, which allows the federal government to respond directly to actual or threatened releases of hazardous substances.

"Because the Superfund law expired Sept. 30 and has not been reauthorized, work has been slowed or stopped at many remedial sites across the country. The Shaffer project, one of 101 immediate removal projects undertaken by EPA Region III since 1980, has not been affected by the shutdown."

Oak Hill Ready For Emergency

(From Page 1)

Fayetteville. Ansted. Loop Creek, Pax and Mount Hope."

Minden PCB cleanup workers at the Shaffer Equipment Company site have covered all emergency areas "quite thoroughly" with local groups, but feel that they have staff on hand who can quickly contain most any on-site emergency. "There are five monitors or so in the area, and

they can turn on the foam from any direction," detailed Cordle. "This Minden crew also has the capacity to contain any leaks to the tanker area." Planning for any emergency appears complete to Cordle, who concluded that his team has been told which routes to take into and out of the site, and even knows which hydrants it will hook up with.

(From Page 1)

cost," commented Caron. "The key is that final destruction is achieved; at one point we had considered using an on-site incinerator, but certainly you could have seen a great cost and mess." Caron, added that this was "a clear process, using a closed loop blanketed with nitrogen, and would result in a clear site."

"What we have here is innovation the American way, as we saw with the Wright brothers and others," commented Caron. "I have had my fill of field work, but since this is such a new, interesting project, I can say I actually am enjoying my work here."

Since a near 100 percent efficiency is expected, OSC Caron does not foresee a return to the site by EPA, unless the agency is specifically told to do so by Congress. "We go by the strict EPA issue of 'How clean is clean?' and see no need to return," concluded Caron. "Strict on-site sampling will show evidence of just how effective we were here."

EQUIPMENT USAGE EXPLAINED

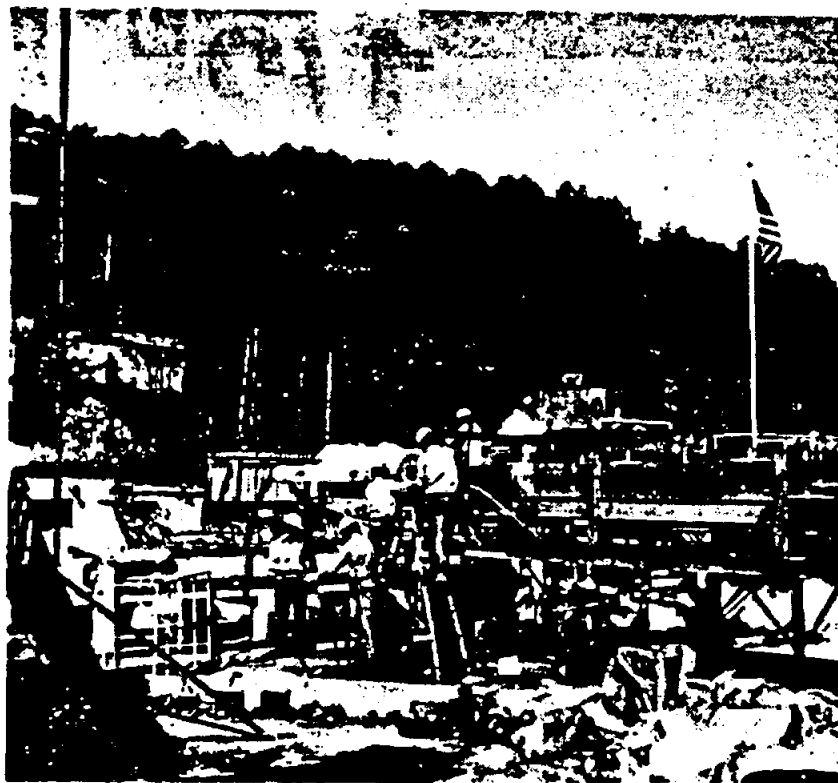
OSC Caron explained the usage of the different equipment at the Minden cleanup site to media representatives on Oct. 16 by hitting these highlights of the step-by-step process:

A loader will bring the contaminated dirt to a grizzly (certainly a dumpster in the strictest sense of the term.) Screens along a conveyor belt will allow workers to sort out excess materials or larger dirt chunks. These things will be disposed of separately.

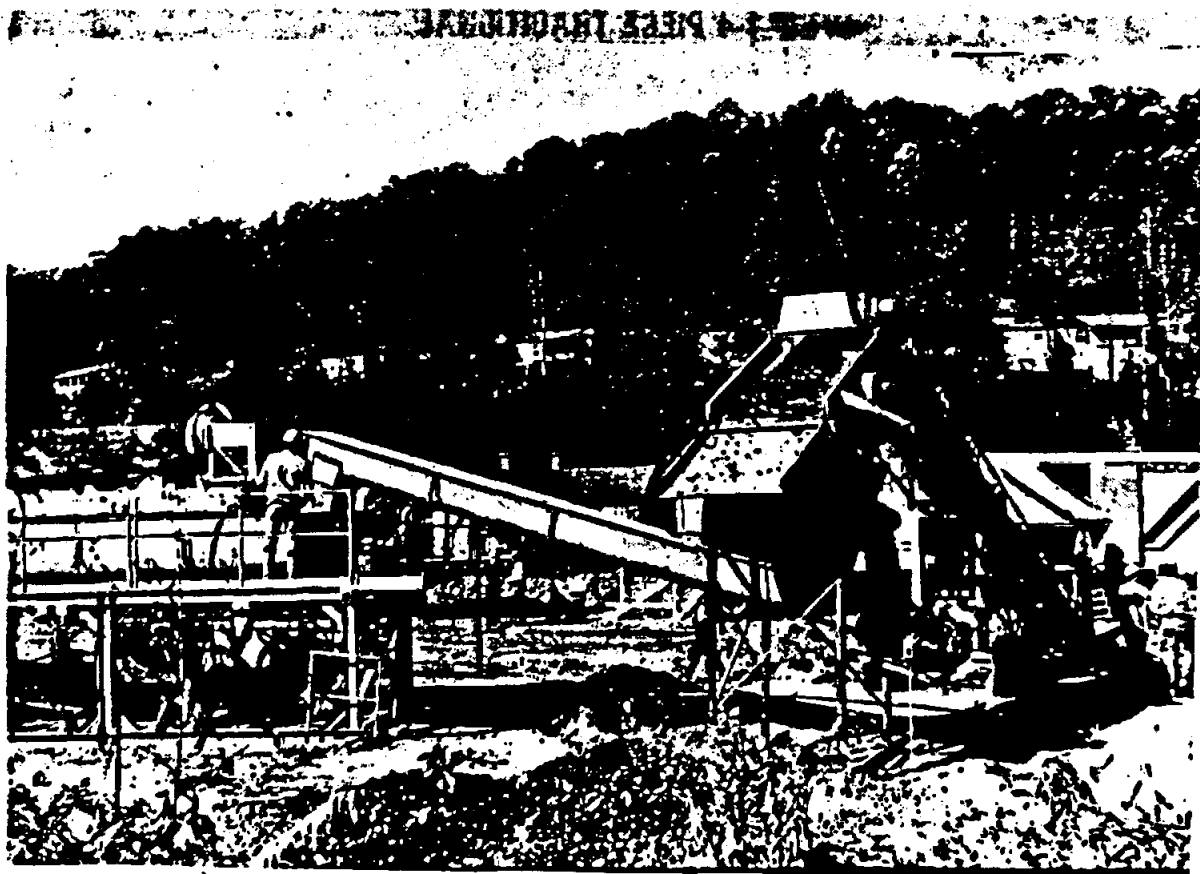
Soil will be running through the dirt at the rate of 10 tons per hour, and will be directed into a unit which heats the soil being treated. Several loops are in place, and workers use a paddle system as opposed to augers, such as like one would see in a strip mining setup. What occurs is a drying effect.

The "assembly line" setup proceeds into another drying unit where dirt is washed free from PCB particles. A solvent, methanol, is then sent from this separating unit back into the system until it is spent. This separating unit, a carbon treatment cell, draws the PCBs into the carbon.

"The \$1.5 million processing cost is an attractive alternative to trucking away contaminated materials at a \$1.3 million



This picture shows the several units of the PCB - processing equipment located at the Shaffer Equipment Co. site in Minden (see story for description of the individual unit parts).



Workmen at the Minden PCB cleanup site here demonstrate use of a device which separates large objects or clumps from PCB-laden dirt.

These larger objects are collected following their fall from the chute and disposed of separately.

[TribFoto by Kelvin Holliday].

PCB work delayed at Minden

By John C. Dean
Staff Writer

MINDEN — An equipment problem has delayed the destruction of PCBs at the Shaffer Equipment Co. PCBs, or polychlorinated biphenyls, are toxic chemicals once used as insulators in electrical equipment and transformers. Laboratory tests on animals have shown that PCBs cause cancer.

About 270,000 parts per million of PCBs were found on the Shaffer Equipment Co. property last fall by a DNR inspector.

The Environmental Protection Agency (EPA) and an Ohio contractor are trying to rid PCBs from more than 2,500 cubic yards of contaminated soil at the site. Equipment was designed so as to allow the removal of PCBs from the soil as it is processed. The chemical methanol will be mixed with the dirt and used as a solvent in the complicated process. It is the first time in the U.S. that such a PCB removal process has been tried on a large scale.

"The equipment is not functioning as to design specifications," Bob Caron, EPA's on-site coordinator, said Monday. "The way the system is now it's too expensive to workright."

Caron said he and other workers are testing and experimenting to get the equipment to function prop-

erly. "This is just a problem which is commonly associated with new technology," Caron said. "We're still in the testing and demonstration phase."

PCB removal was scheduled to begin Oct. 18 with 40 employees working around the clock to complete the \$1.5 million cleanup project. About \$800,000 has been spent at the site for soil samples and tests. Ten tons of soil each hour are to go through the equipment as PCBs are removed.

The removal process is expected to take between 35 and 40 days, Caron said.

"We are recirculating the same dirt," Caron said, "to try to work out the problem."

Caron said he had no idea when soil would be processed at a 16 ton per hour rate. "Hopefully within the next three or four days, we will be cranking," he said. Caron, an EPA chemist, said he was unsure of the amount of soil being processed in the testing phase.

"We're going to test and experiment until everyone is confident that the system runs at zero risk and processes soil at 10 tons per hour," said Caron.

The public is prohibited from entering the site as a safety precaution, Caron said. "There's a small possibility of a methanol release, but we're properly trained if that happens," he said.

Minden PCB cleanup begins

Trucks carrying contaminated soil out of the Minden area will begin rolling today, according to an Environmental Protection Agency (EPA) official who expects the PCB cleanup to last up to four weeks.

EPA Spokesman Ray Germann, in Fayette County to oversee the start of the cleanup, said as many as 400 dumptruck loads of dirt will be moved to a landfill in Alabama.

"We hope to get our hands on as many (trucks) as we can," Germann said Monday. "Once we get rolling, we hope to move about 25 trucks a day."

Polychlorinated biphenyls (PCBs), a suspected cancer-causing agent, were discovered at the former Shaffer Equipment Co. site three years ago. Last October, the EPA planned to truck the contaminated soil to a landfill in Ohio, but that state's Department of Transportation refused to issue it a permit.

The dirt, roughly 4,800 cubic feet of earth, has been fenced off and covered with plastic sheets for the past year.

Trucking companies from North Carolina and Ohio, each certified for carrying toxic materials, have been hired for the job. The truck beds will be lined with plastic and sheeting also will be placed over the dirt, Germann said.

"Depending on the weather, we expecting it to take two to four weeks to complete," he said.

Residents of Minden suspect the PCBs are to blame for several health problems. Fifty residents are now involved in a study to determine whether exposure to the toxic material is linked to their health problems.

Tuesday

September 15, 1987, Beckley, W.Va.
Volume 106, No. 86, 25 Cents

The Register/Herald

Beckley Newspapers

100337

APPENDIX G

POLREPS

100338

Shaffer Equipment Site
Minden, West Virginia
Federal On-Scene Coordinator's Report

APPENDIX G
POLREPS

Due to poor copy quality of POLREPs #29, #142, #143 and #144, they have been recreated for inclusion in this report. Originals are maintained in the U.S. EPA Region III Regional Response Center, Philadelphia, PA.

It should also be noted that Page 2 of POLREP #146 and all of POLREP #147 are not present in the POLREP File at the Region III Regional Response Center, and therefore are not included in this report.

**Shaffer Electric Company Site
Minden, West Virginia
Potential PCB Site**

I. Situation: 1700 Hours 10/25/84

- a. West Virginia Department of Natural Resources (DNR) inspector Leroy Gilbert discovered the Schaffer Electric Company (SECO) site in late September 1984. During his inspection, he observed several hundred transformers and capacitors in close proximity to the coal town of Minden, West Virginia. A four point composite soil sample and a sample from a drainage ditch to Arbuckle Creek were obtained revealing 26,749 ppm and 1,136 ppm PCB respectively.
- b. WV DNR reported their findings to EPA OSC Ben Wilmoth on 9/20/84. The OSC tasked the TAT with performing a preliminary site assessment to determine whether Superfund Action was appropriate.

II. Actions Taken

- a. On October 3, 1984 TAT and WV DNR conducted a preliminary site assessment. The assessment team met with the property owner and secured permission to conduct the assessment.
- b. Schaffer Electric Company is an operating firm that builds electrical substations for the local coal mining industry. Many of these units incorporate transformers and capacitors in addition to other voltage regulation devices.
- c. A total of approximately 150 transformers, 60 capacitors and 75 drums were observed. Most of the capacitors were lying on their sides. Several capacitors had broken insulators with heavy oil spillage in the vicinity. Evidence that at least 2 transformers were originally filled with PCB fluids was obtained from nameplate inspections. Chlorextol and pyranol labels were observed.
- d. A total of 8 soil/sediment samples were obtained during the assessment. Sediment samples were taken in Arbuckle Creek upstream and downstream of the confluence of the main drainage ditch. In the main capacitor spillage area, a surface sample and a 12 inch core sample were obtained. Both samples were saturated with oil.
- e. Chain-of-custody protocols were followed on all samples. All samples were shipped to Martel Labs in Baltimore, Maryland for rapid turnaround PCB analysis under TAT special project TDD# 03-8410-S7.

POLREP #1

Shaffer Electric Company Site
Minden, West Virginia
Potential PCB Site

page 2.

II. Actions Taken (cont'd)

- f. Preliminary verbal data received from lab this date revealed the following:

<u>Station</u>	<u>Location</u>	<u>PCB</u>
00	Sample blank	< 1 ppm
01	Arbuckle Creek downstream	4.0 ppm
02	Ditch to Arbuckle Creek	260 ppm
03	Composite transformer soil	8,200 ppm
04	Capacitor spillage (surface)	260,000 ppm
05	Capacitor spillage (12" core)	40,000 ppm
06	Main transformer area	33 ppm
07	Arbuckle Creek upstream	3.0 ppm
08	Transformers @ site access	< 1 ppm

- g. OSC and WV DNR requested that EPA conduct TSCA inspection of the facility.

III. Future Plans

- a. OSC and TAT to review data immediately to determine whether further actions are necessary.

Benton Wilmoth, OSC
U.S. EPA Region III
Wheeling, West Virginia

100341

POLREP #2 - Shaffer Equipment Company Site
Initial Assessment for Potential Immediate Removal
Minden, WV

I. Situation (11/2/84 - 1300 hours)

A. On request by OSC, Benton Wilmoth, TATs arrive on scene 11/1/84 to perform initial assessment in Level C.

B. Personnel on scene: TAT - 2, WV DNR - 1.

C.. Invaluable assistance provided by WV DNR (Bill Moreson in the acquisition of assessment samples.

II. Actions Taken

A. 36 surface soil and core (15 to 18 inches below surface) samples were taken at potential contaminated areas.

B. 54 soil samples were taken from the base line stations.

C. 8 sediment samples were taken in the discharge stream.

D. Total of 105 samples (including off site soil and QA/QC) taken COB 11/2/84 by TATs and WV DNR.

E. All samples to be screened for PCB by Martel Laboratory-Baltimore at a cost not to exceed \$4,500. Turn-around-time estimated 14 days.

F. Base line established by TATs in order to document precise location of samples. This is because Shaffer Equipment Co is an active facility and the sources of contaminated soil (transformers, capacitors, etc,) are always fluctuating.

III. Future Plans

A. OSC awaiting laboratory results to be used in preparation of funding request.

Benton M. Wilmoth
Benton M. Wilmoth, OSC
EPA - Region III - Wheeling, WV

100342

TLX II 7108229269
CONNECTED 20-Nov-84 12:41 55

SPILLSEPA WSH

EASYLINK 9275924A001 20NOVB4 11:30/11:34 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

TO JACK STANTON
POLREP 3

SHAFFER EQUIPMENT COMPANY
POTENTIAL REMOVAL SITE
MINDEN, W.VA.

- I) SITUATION: (1100 HRS., 11/20/84)
- A) DUE TO HEAVY WORK LOAD ON OSC'S IN THW WHEELING FIELD OFFICE, AND THE LIKELIHOOD THAT THIS SITE WILL REQUIRE EITHER A TOSCAOR CERCLA ORDER, A NEW OSC IS ASSIGNED TO THIS SITE. THE NEW OSC WILL BE ROBERT E. CARON.
 - B) SITUATION REMAINS THE SAME ON SITE. SPECIAL PROJECTS ANALYTICAL FROM ASSESSMENT PERFORMED ON 11/2/84 DUE BY END OF WEEK.
- II) ACTIONS TAKEN
- A) OSC INFORMED TAT AND WVDNR OF OSC CHANGE.
 - B) OSC CONSULTED WITH BOTH TOSCA PERSONNEL (CHRIS PILLA) AND REGIONAL COUNSEL AS REGARDS SITUATION. SINCE AN ORDER MAY BE APPLICABLE OSC INTENDS TO CONVENE A MEETING WITH REGIONAL COUNSEL, TOSCA, CERCLA ENFORCEMENT AND ERS CHIEF, (TOM MASSEY) TO HASH OUT ANY ENFORCEMENT STRATEGY.
 - C) AFTER REVIEW OF WVDNR DATA AND AFTER CONSULTATION WITH WVDNR IT APPEARS LIKELY THAT THIS SITE IS A CERCLA REMOVAL CANDIDATE. RESPONSIBLE PARTY/PROPERTY OWNER HAS NOT RESPONDED TO WVDNR EFFORTS TO SECURE CLEANUP. PCB CONTAMINATION OF SOILS AND DRAINAGE SWALES RANGES FROM 27000PPM TO 1100 PPM. OVER 160 TRANSFORMERS AND 60 CAPACITORS ARE ON SITE.
- III) FUTURE PLANS
- A) OSC AWAITING DATA FROM TAT SPECIAL PROJECTS SAMPLING.
 - B) OSC TO CONVENE MEETING WITH REGIONAL COUNSEL, TOSCA, ENFORCEMENT AND SECTION CHIEF AFTER REVIEW AND QUALITY CONTROL OF DATA.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

MMM

100343

TLX 11 7108229269
CONNECTED 23-Nov-84 11:12 10

SPILLSEPA WSH
ATTENTION JACK STANTON

POLREP 4: SHAFFER EQUIPMENT COMPANY PCB SITE
POTENTIAL CERCLA IMMEDIATE REMOVAL SITE
FAYETTE COUNTY, MINDEN, WEST VIRGINIA

I. SITUATION (1600 HOURS - 11/23/84)

- A. OSC IN RECEIPT OF VERBAL PRELIMINARY DATA WHICH VERIFIES AND FURTHER SUBSTANTIATES PREVIOUS PRELIMINARY FINDINGS OF A SEVERE PCB CONTAMINATION PROBLEM AT THIS SITE.
- B. TAT SAMPLE GRID SURVEY HAS INDICATED THAT A MAJOR PORTION OF THIS ONE ACRE SITE IS CONTAMINATED WITH PCB AT LEVELS WHICH EXCEED THE 50 PPM ACTION LEVEL. PCB LEVELS AS HIGH AS 30% HAVE BEEN DETECTED ON SITE. MIGRATION OF PCB HAS BEEN INDICATED BY THE SURVEY WITH THE NEARBY STREAM (ARBUCKLE CREEK) BEING THE RECEIVING BODY. LEVELS OF PCB WERE DETECTED IN BOTH THE SEDIMENT AND WATER OF THIS STREAM AT 200 PPM AND 4 PPM RESPECTIVELY.
- C. 65-75 PEOPLE LIVE WITHIN 1/4 MILE OF THIS SITE WITH THE NEAREST RESIDENCES LOCATED WITHIN 400 FEET OF THE SITE.
- D. OSC INFORMED BY TOSCA (CHRIS PILLA) THAT A TOSCA INSPECTION HAS BEEN PERFORMED AT THIS SITE WITH NUMEROUS VIOLATIONS NOTED. TOSCA HAS DETERMINED THAT BULK OF CONTAMINATION PROBABLY OCCURED PRIOR TO REGULATION. FACILITY OWNER IS UNLIKELY TO CORRECT PROBLEM DUE TO LACK OF MONETARY RESOURCES. OFFICIAL REFERRAL BY TOSCA TO CERCLA HAS BEEN MADE.

II. ACTIONS TAKEN

- A. OSC DIRECTED TAT TO FINALIZE SAMPLE GRID MAP AND SUBMIT MAP AND QUALITY CONTROLLED DATA TO OSC BY COB 11/27/84.
- B. OSC INFORMED WVDNR (RON SHIPLEY) OF PRELIMINARY RESULTS AND REQUESTED WVDNR REVIEW AND COMMENT ON MAP/DATA PACKAGE. BY COB 11/28/84.
- C. OSC REQUESTED WVDNR TO DETERMINE FINANCIAL STATUS OF OWNER.

III. FUTURE PLANS

- A. OSC, TAT AND ANY OTHER INTERESTED PARTIES (CDC, ENFORCEMENT, TOSCA) TO PERFORM SITE VISIT WEEK OF 12/3/84.
- B. DATA TO CDC ASAP FOR COMMENT.
- C. DRAFT 10 POINT BEING PREPARED.

ROBERT E. CARON, OSC
EPA, REGION III
PHILADELPHIA, PA.

DISCONNECTED 23-Nov-84 11:17 41

100344

TLX II 7108229269
CONNECTED 28-Nov-84 09:05 28

SPIILLSEPA WSH
POLREP #5

SHAFFER EQUIPMENT COMPANY
POTENTIAL CERCLA IMMEDIATE REMOVAL SITE
FAYETTE COUNTY, MINDEN, W.VA.

- I) SITUATION: (1600 HRS., 11/27/84)
- A) OSC IN RECEIPT OF FINAL DATA WITH QUALITY CONTROL AND COMPLETE SITE MAP SHOWING SURVEYED PCB HOT SPOTS.
 - B) WVDNR HAS REQUESTED COMPLETE INVOLVEMENT IN PRELIMINARY SITE ACTIVITIES. OSC TO COMPLY AS MUCH AS POSSIBLE.
- II) ACTIONS TAKEN
- A) ALL DATA AND MAPS TO BE FORWARDED TO BOTH WVDNR AND CDC FOR REVIEW AND COMMENT.
 - B) OSC REQUESTS COMMENT FROM BOTH AGENCIES BY COB FRIDAY, 11/30/84. CDC TO PROVIDE INPUT AS TO QA/QC OF DATA AND SAMPLING.
- III) FUTURE PLANS
- A) UPON RECEIPT OF COMMENTS FROM BOTH CDC AND WVDNR OSC TO SUBMIT 10 POINT DOCUMENT TO RA FOR APPROVAL.
 - B) OSC CONSIDERING A TWO PHASE PROJECT AND RESPONSE SINCE WINTER WEATHER IS APPROACHING AND GROUND WILL BE FROZEN. PHASES ARE AS FOLLOWS:
 - PHASE I - CONTROL AND STABILIZE OVER SHORT TERM. CONTAIN LEAKING TRANSFORMERS/CAPACITORS. PREVENT FURTHER OFF SITE CONTAMINATION/MIGRATION AND MAINTAIN SITE UNTIL WEATHER IMPROVES.
 - PHASE II - EXCAVATE SEVERELY CONTAMINATED SOILS WHEN LAST FREEZE HAS OCCURED AND WEATHER PERMITS.
 - .OSC BELIEVES THIS APPROACH ADDRESSES IMMEDIATE PUBLIC HEALTH CONCERNS, AND ALLOWS FOR GOOD ENGINEERING PRACTICES ENABLING A COST EFFECTIVE BETTER PLANNED PROJECT WITH TIME AVAILABLE TO SEEK DISPOSAL OPTIONS AND ALTERNATIVES.
 - C) OSC, TAT, WVDNR AND POSSIBLY ENFORCEMENT TO VISIT SITE AND COLLECT SAMPLES AND SURVEY ON SITE DRUMS WHICH HAVE NOT BEEN SURVEYED TO DATE. OSC AND WVDNR TO FINALIZE 10 POINT AT THIS TIME.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

SPIILLSEPA WSH

DISCONNECTED 28-Nov-84 09:11 01

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WU INFOMASTER 4-020900S342-001 12/07/84
ICS IPMMT22 CSP
6092611238 DGM TDMT MOUNT HOLLY NJ 319 12-07 1256P EST
TWX 7106700716 EPAOHM PHA
EMERGENCY RESPONSE
4218 EPA PHA

POLREP 6

POTENTIAL SUPERFUND REMOVAL PROJECT
SHAFFER EQUIPMENT CO SITE
FAYETTE COUNTY, MINDEN, WEST VIRGINIA

I. SITUATION (1900 HOURS, 12-6-84)

A. 12-5-84- OSC, AND TAT AND ENFORCEMENT (DIANE SHOTT) MET WITH WVDNR (RON SHIPLEY, PAM HAYES AND STEVE WRIGHT) AND W.V. STATE HEALTH (DR DAZI, AND LORETTA HATTY) TO DISCUSS SITE CONCERNS. KIM FETTY, WVDNR PUBLIC AFFAIRS ALSO IN ATTENDANCE.

B. OSC INFORMED STATE OF PENDING 10 POINT DOCUMENT AND REVIEWED PCB SAMPLING RESULTS. STATE INPUT INTO 10 POINT, INCLUDES A REQUEST FOR CLOSE COORDINATION OF COMMUNITY RELATIONS.

C. STATE HEALTH CONCURS AS TO HEALTH THREAT POSED BY THIS SITE. TENTATIVE FINDING BY CDC IS THAT THERE EXISTS AN IMMEDIATE AND SIGNIFICANT THREAT TO PUBLIC HEALTH AT THIS SITE. CDC STILL COMPLETING DATA REVIEW BEFORE FINALIZING STATEMENT.

II. ACTIONS TAKEN

A. OSC AND TAT PERFORMED ADDITIONAL SITE ASSESSMENT WHICH INCLUDED SAMPLING OF ON SITE DRUMS.

--DRUMS APPEAR TO CONTAIN TRANSFORMER OILS.

--1 DRUM YIELDED AIR READINGS IN EXCESS OF 2000 PPM ON HNU/PID.

- APPROXIMATELY 20 DRUMS OF SODIUM NITRITE ON SITE.

- SEWER LINE RUNS DIRECTLY THROUGH PROPERTY.

B. ENFORCEMENT (DIANE SHOTT) PERFORMED PROPERTY/TITLE SEARCH.

PRELIMINARY INDICATIONS ARE THAT A PORTION OF THE PROPERTY MAY BE OWNED BY BERWIND LAND DEVELOPMENT CORPORATION OF WEST VIRGINIA. ENFORCEMENT TO VERIFY. A RAILROAD RIGHT OF WAY (CNO) IS ALSO LOCATED ON SITE AND MAY CONTAIN PCB CONTAMINATION.

C. OSC AND ENFORCEMENT MET WITH PROPERTY OWNER, MRS ANNA SHAFFER, TO DISCUSS SITUATION. OWNER VERY COOPERATIVE, PROVIDING RECORDS OF TRANSFORMER SALES TO EPA. OWNER AGAIN STATED THAT SHE WAS FINANCIALLY UNABLE TO CLEAN UP.

III. FUTURE PLANS

A. OSC TO SUBMIT 10 POINT FOR CONCURRENCE BY MONDAY 12-10-84.

B. DRUM RESULTS DUE BY COB 12-14-84.

C. OSC TO MEET WITH WEST VIRGINIA DNR, RON SHIPLEY TO FINALIZE STATE INVOLVEMENT WEEK OF 12-17-84. STATE AND EPA TO MEET WITH LOCAL OFFICIALS SAME WEEK.

ROBERT E CARON
ON SCENE COORDINATOR
US EPA- REGION III
PHILADELPHIA PA
ROBERT E CARON

1303 EST

EPAOHM PHA

100346

TLX 11 7108229269
CONNECTED 12-Dec-84 09:10 20

SPILLSEPA WSH

M

POLREP #7

POTENTIAL SUPERFUND REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
FAYETTE COUNTY
MINDEN, W.VA.

I) SITUATION: (1600HRS., 12/11/84)

- A) CDC AND W.VA. STATE HEALTH HAVE OFFICIALLY CERTIFIED THIS SITE AS PRESENTING AN IMMEDIATE AND SIGNIFICANT THREAT TO PUBLIC HEALTH DUE TO THE PRESENCE AND MIGRATION OF PCB AT RELATIVELY HIGH LEVELS.
 - B) OSC AND ENFORCEMENT HAVE VERIFIED THAT A MAJOR PORTION OF THE CONTAMINATED PROPERTY IS OWNED BY THE BERWIN LAND DEVELOPMENT CO., WHICH IS A LARGE FIRM WITH CONSIDERABLE ASSETS.
- [REDACTED]
- [REDACTED]
- [REDACTED]

II) ACTIONS TAKEN

- A) OSC COMPLETED PREPARATION OF A 10 POINT DOCUMENT AND RECEIVED ENFORCEMENT POSITION PAPER FOR INCLUSION IN THE SUBMISSION PACKAGE.
- B) THE 14 DAY CLOCK OFFICIALLY BEGINS AT 0800 12/12/84.
- C) OSC CONTACTED BY TOSCA PERSONEL AND HAS AGREED TO FORWARD A COPY OF ALL DATA TO THEM FOR POSSIBLE TOSCA ORDER.

III) FUTURE PLANS

- A) 10 POINT TO BE SUBMITTED FOR CONCURRENCE 12/12/84.

ROBERT E. CARON
ONSCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

DISCONNECTED 12-Dec-84 09:15 07

100347

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CONNECTED 12-Dec-84 10:03 13

SPILLSEPA WSH
POLREP #8

POTENTIAL SUPERFUND REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (0930 HRS., 12/12/84)

[REDACTED]

II) ACTIONS TAKEN

- A) 10 POINT DOCUMENT SUBMITTED AT 0930 HOURS 12/12/84.
 - B) OSC INFORMED ENFORCEMENT AND REGIONAL COUNSEL OF 10 POINT SUBMISSION.
 - C) OSC REQUESTS ENFORCEMENT POSITION ASAP
- III) FUTURE PLANS
- A) OSC AWAITING ENFORCEMENT POSITION.
 - B) DRUM ANALYSIS DUE 12/17/84.

ROBERT E. CARON
ON SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA. [

DISCONNECTED 12-Dec-84 10:07 32

TLX 11 7108229269
CONNECTED 13-Dec-84 14:43 50

SPILLSEPA WSH
POLREP #9

POTENTIAL SUPERFUND REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (1130 HRS., 12/13/84)

A) FURTHER INVESTIGATION INTO PROPERTY OWNERSHIP INDICATES THAT FURTHER WORK IS NECESSARY. INACCURATE DEED RECORDING BY COUNTY HAS CREATED MUCH CONFUSION ABOUT THIS ISSUE.

[REDACTED]

C) PRINCIPLE OWNER, BERWIN LAND CO., TO PROVIDE DEED TO EPA. EPA REQUESTED OVERNIGHT DELIVERY.

D) 10 POINT HELD UP DUE TO THE ABOVE SITUATION.

II) ACTIONS TAKEN

A) OSC INFORMED ENFORCEMENT THAT A REASONABLE EFFORT TO LOCATE RESPONSIBLE PARTIES IS A MATTER OF THE SEVERITY OF THE EMERGENCY SITUATION.

B) OSC REQUESTED FINAL ENFORCEMENT POSITION NO LATER THAN 1200 HRS. MONDAY, 12/17/84, IN ORDER TO EXPEDITE CORRECTIVE ACTION AT THIS SITE.

III) FUTURE PLANS

A) OSC AWAITING ENFORCEMENT POSITION.

ROBERT E. CARON
USEPA-REGION III
ON SCENE COORDINATOR
PHILADELPHIA, PA.

100348

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CONNECTED 18-Dec-84 09:09 45

SPILLSEPA WSH
POLREP 10

SHAFFER EQUIPMENT COMPANY SITE
POTENTIAL SUPERFUND REMOVAL PROJECT
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (1630 HRS., 12/17/84)

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

B) OSC HAS CONTACTED WVDNR, RON SHIPLEY, AND INFORMED HIM OF THIS DETERMINATION. A TENTATIVE MEETING HAS BEEN SET UP FOR 12/27/84 WITH OSC, WVDNR PUBLIC AFFAIRS, RON SHIPLEY AND PAM HAYES OF WVDNR AND EPA PUBLIC AFFAIRS TO DISCUSS COMMUNITY RELATIONS ISSUES AND PROJECT STRATEGY.

II) ACTIONS TAKEN

A) OSC HAND CARRYING 10 POINT THROUGH CONCURRENCE.

III) FUTURE PLANS

A) OSC AWAITING RA APPROVAL

ROBERT E. CARON
USEPA-REGION III
PHILADELPHIA, PA.

SPILLSEPA WSH

DISCONNECTED 18-Dec-84 09:11 59

100349

EPAOHM PHA

EASYLINK 4098221A001 2JAN85 21:19/21:20 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

SHAFFER EQUIPMENT COMPANY SITE
SUPERFUND REMOVAL PROJECT
FAYETTE COUNTY, MINDEN, WV
POLREP #11

I. SITUATION (0900 HRS 12/27/84)

- A. REGIONAL ADMINISTRATOR APPROVES 10 POINT DOCUMENT 12/26/84.
- B. OSC HAS MADE NUMEROUS ATTEMPTS TO CONTACT PROPERTY OWNER/FRESPON-
SIBLE
PARTIES. ALL ATTEMPTS HAVE BEEN UNSUCCESSFUL TO DATE.
- C. HOLIDAY SEASON HAS CREATED MUCH DIFFICULTY IN ARRANGING FOR
PUBLIC
INGS. BEST DATE APPEARS TO BE JANUARY 3, 1985.
- D. OSC AND WVDNR HAVE ELECTED TO MOBILIZE ON SCENE 0800 HRS
12/28/84 AND
EFFECT SITE SECURITY AND EROSION CONTROL. PRESS AND PUBLIC TO BE
NOTIFIED BY PR
ESS RELEASE AND DOOR TO DOOR CONTACT.

II. ACTIONS TAKEN

- A. EPA/OPA (BOB CHADWICK) TO COORDINATE ALL PUBLIC AFFAIRS ISSUES.
PUBLIC
MEETING HIGHEST PRIORITY. OPA TO BE ON SCENE 12/28/84 TO HANDLE MEDIA
INQUIRES.

- C. OSC ISSUED A VERBAL DELIVERY ORDER TO ERCS, FOR A RESPONSE ON
SCENE
0800 HRS. 12/28. REESPONSE MANAGER, CHEMIST, PCT, AND FOUR MAN CREW
AUTHORIZED.
- D. D. NO. 6893-03-029.

III. FUTURE PLANS

- A. OSC TO CONDUCT MEETING AT 1430 HRS 12/27 WITH WVDNR, WV PUBLIC
HEALTH,
WV PUBLIC AFFAIRS, AND TAT TO DISCUSS COMMUNITY REELATIONS AND CLEANUP
PLANS.
- B. SITE OPERATIONS TO COMMENCE 0800 HRS 12/28/84.
- C. OSC TO ARRANGE FOR MEETING WITH COUNTY AND LOCAL OFFICIALS
ASAP, TMMM

MMMM

EPAOHM PHA

100350

EPAOHM PHA

EASYLINK 410210BA001 2JAN85 23:30/23:31 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

SHAFFER ELECTRIC
SUPERFUND REMOVAL PROJECT
FAYETTE COUNTY, MINDEN WV
POLREP # 12

I. SITUATION (12/28/84 AT 1700 HRS)

A. PERSONNEL ON SCENE:

EPA2
WVDNR 2
TAT 2
ERCS 3

B. OSC TAT, WVDNR, WV PUBLIC RELATIONS, EPA/OPA, ATTENDED A MEETING WITH

FAYETTE COUNTY OFFICIALS AT 1300 HRS ON 12/28/84.

C. PROPERTY OWNER CONTACTED AT 0900 HRS ON 12/28/84.

D. ERCS CONTRACTOR MOBILIZED ON SCENE 12/28/84.

E. MR. MAYNOR (GEN MGR) REVEALS THAT BERWIN LAND CO. OWNS EASEMENT ON NORTH

EAST SECTION OF PROPERTY WHICH AMOUNTS TO APPROXIMATELY 50% OF THE SITE

II. ACTIONS TAKEN

A. OSC NOTIFIES PROPERTY OWNER AND ISSUES VERBAL NOTICE. PROPERTY OWNER

REITERATES THAT THE COMPANY DOES NOT HAVE THE MONEY AVAILABLE FOR CLEAN UP OPERATIONS AND APPROVES EPA TO PROCEED WITH SUPERFUND ACTIVITIES.

B. TEMPORARY RUN-OFF COONTAINMENT/DIVERSION PLACED INTO THE EXISTING RUN OF F DITCH ON PROPERTY.

C. SITE SECURITY (FENCING) UNDER CONSTRUCTION THIS DATE.

D. SCOPE OF WORK PLAN INITIALLY STARTED.

E. TAT INITIALLY DEVELOPING RUN-OFF CONTAINMENT PLANS OF PROPERTY.

III. FUTURE PLANS

A. TAT TO DEVELOP SAMPLING PLANS FOR FURTHER EXTENT OF CONTAMINATION OF THE PROPERTY.

B. TAT TO DEVELOP EROSION CONTROL PLANS.

C. PUBLIC HEARING DATE SET FOR 1900 HRS JAN 3, 1985 AT MINDEN ELEMENTARY.

D. LOCAL OFFICIALS MEETING WITH OSC, TAT, WVDNR, SET FOR 1300 HRS ON JAN 3, 1985 TO DISCUSS CONTINGENCY ASPECTS OF THE PROJECT AND PREPARE FOR PUBLIC HEARING.

E. SCOPE OF WORK PLANS TO INCLUDE:

1. SEGREGATE, STAGE AND SAMPLE THE TRANSFORMERS, CAPACITORS, AND DRUMS.

2. SAMPLE SOILS AND ARBUCKLE CREEK.

SIGNED: ROBERT CARON OSC
EPA REGION III

MMMM

100351

EPAOHM PHA

EASYLINK 4325664A001 4JAN85 10:09/10:10 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP #13

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.

- I) SITUATION: (2200 HRS., 1/3/85)
- A) ESTIMATED COSTS TO DATE: (COB 1/2/85)
 - ERCS \$13000 CEILING \$100000
 - TAT \$2100 CEILING \$20000
 - USCG/AST \$528 CEILING \$15000
 - EPA \$1448
 - B) ALL PERSONNEL AND EQUIPMENT MOBILIZED THIS DATE.
 - C) OSC ISSUED VERBAL NOTICE TO SECOND PROPERTY OWNER, BERWIND LAND CORP. BERWIND DECLINES ANY OPTION TO TAKE ACTION AND AGREES TO ALLOW EPA ACCESS.
 - D) SITE SAFETY PLAN DEVELOPED. USCG/AST ASSIGNED AS SAFETY OFFICER.
 - E) USCG/AST TO PROVIDE COST CONTROL AND CONTRACTOR MONITORING.
 - F) TAT TASKED WITH MEASURING AND SAMPLING PROGRAM.
 - G) OSC MET WITH FIRE CHIEF, POLICE AND HOSPITAL ADMINISTRATION TO DISCUSS EMERGENCY CONTINGENCY PLANS.
 - H) WVDNR PROVIDING COMMUNITY RELATIONS AND TECHNICAL SUPPORT.
DNR TO BE ON SCENE AT LEAST ONCE PER WEEK FOR UPDATE. OSC TO DAILY INFORM THEM OF ACTIVITIES. PERSONNEL RESOURCES DO NOT ALLOW A DAILY DNR PRESENCE.
 - I) EPA OPA (BOB CHADWICK) WORKING WITH DNR HANDLING ALL COMMUNITY RELATIONS AND MEDIA INQUIRIES.
- II) ACTIONS TAKEN
- A) PUBLIC MEETING HELD 1900 HRS THIS DATE. OPA, DNR AND OSC CONDUCTED MEETING. RESIDENTS INFORMED OF EPA ACTIVITIES AND TIME SCHEDULE. RESIDENTS EXPRESSED CONCERN FOR THEIR HEALTH. WV STATE HEALTH WILL HANDLE ALL HEALTH INQUIRIES. RESIDENTS SEEMED PLEASED WITH EPA ACTIONS.
 - B) DNR INFORMED OSC THAT DNR INSPECTORS HAVE BEEN SHOT AT IN THE PAST IN THIS AREA. OSC FEELS, IN LIGHT OF THE PUBLIC MEETING, THAT THIS IS UNLIKELY TO OCCUR WITH THIS OPERATION.
 - C) WOAY TV INTERVIEWED OSC PRIOR TO PUBLIC MEETING. LOCAL NEWSPAPERS PRINTING FAVORABLE PRESS.
 - C) SITE PREPARED FOR STAGING AND SAMPLING ACTIVITIES.
- III) FUTURE PLANS
- A) STAGING AND SAMPLING TO BEGIN 1/4/85.
 - B) OFF SITE SAMPLING TO BEGIN 1/4/85.
 - C) OSC AND RESPONSE MANAGER TO BEGIN DISPOSAL ALTERNATIVE STUDY.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA REGION III
PHILADELPHIA, PA.

MMMM

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EPAOHM PHA

EASYLINK 4469042A001 5JAN85 09:34/09:34 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP 14

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

I) SITUATION(1800 HRS., 1/4/85)

A) ESTIMATED COSTS TO DATE: (COB 1/3/85)

ERCS \$ 20170	CEILING \$100000
USCG/AST \$ 967	CEILING \$15000
TAT \$2700	CEILING \$ 20000
EPA \$ 2050	CEILING \$ 15000

B) 75 TRANSFORMERS STAGED AND SAMPLED TO DATE.

C) 65 DRUMS TOTAL STAGED.

D) ALL JUNK METAL STAGED.

E) WEATHER UNCOOPERATIVE. HEAVY RAINS AND WET MUDDY CONDITIONS ARE SLOWING CONTRACTOR EFFICIENCY, AND EQUIPMENT EFFECTIVENESS.

F) UNDERFLOW DAMS REQUIRE REGULAR MAINTENANCE AS DAM IS BEING UNDERMINED DUE TO HEAVY FLOWS.

II) ACTIONS TAKEN

A) TAT COLLECTED OFF SITE SOIL AND DRINKING WATER SAMPLES IN RESIDENTIAL AREAS. SOILS WERE COLLECTED IN AREAS INVOLVED IN PAST STREAM FLOODING.

B) TAT DEVELOPED GRID SYSTEM FOR ON SITE SOIL SAMPLING. ALL SAMPLE LOCATIONS TO BE SURVEYED IN TO AID IN DEVELOPING ACCURATE CONTAMINATED SOIL ESTIMATES.

C) ERCS HAS COMPLETED APPROXIMATELY 75% OF TRANSFORMER/CAPACITOR AND DRUM SAMPLING.

D) STAGING COMPLETE.

E) RESPONSIBLE PARTY(SHAFFER) REQUESTED THAT PCB CAPACITORS LOCATED IN ON SITE BUILDINGS BE REMOVED AND INCLUDED IN CLEANUP ACTION. OSC INSPECTED THESE CAPACITORS AND FOUND THAT MANY WERE OLD RUSTY AND LEAKING SMALL AMOUNTS OF FLUID(DYKANOL AND PYRANOL). FLOOR DRAIN IN BUILDING DRAINS TO ARBUCKLE CREEK. OSC TO DISCUSS REQUEST WITH ERS CHIEF, TOM MASSEY AND REGIONAL COUNSEL PRIOR TO ANY DECISION.

F) OSC PROVIDED UPDATE TO LOCAL PRESS AND T.V. INTERST STILL HEAVY.

III) FUTURE PLANS

A) OSC CONSIDERING THE USE OF CONCRETE TO CONSTRUCT MORE DURABLE UNDERFLOW DAMS THAT WILL REQUIRE LESS FREQUENT MAINTENANCE.

B) OSC AWAITING SAMPLE RESULTS FROM DAM OUTFALL WHICH WILL INDICATE THE EFFECTIVENESS OF THESE STRUCTURES IN CONTROLLING MIGRATION OF PCB. HEAVY OIL SATURATION OF SOILS ON SITE AND RESULTANT FLOW OFF SITE APPEARS TO BE A MAJOR CONTRIBUTOR TO OFF SITE MIGRATION OF O PCB.

C) ON SITE GRID SOIL SAMPLING TO BEGIN 1/5/85.

D) ALL CAPACITORS TO BE OVERPACKED 1/5/85.

E) OSC AND TAT TO PERFORM LEVEL A ENTRY TO MAINTAIN TRAINING AND EFFICIENCY IN THE USE OF FULLY ENCAPSULATED SUITS.

ROBERT E. CARON
ON SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMMM

100353

EPAOHM PHA

EASYLINK 4494023A001 6JAN85 09:54/09:55 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP 15

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

I) SITUATION: (1800 HRS., 1/5/85)

A) ESTIMATED COSTS TO DATE: (COB 1/4/85)

ERCS \$26518	CEILING \$100000
USCG/AST \$ 1424	CEILING \$15000
TAT \$ 4000	CEILING \$ 20000
EPA \$ 2348	CEILING \$ 15000

B) ALL TRANSFORMERS, CAPACITORS, DRUMS AND PCB SWITCHES STAGED AND SECURED. ALL PCB CONTAINING EQUIPMENT AND DRUMS SAMPLED.

C) MEASURING AND SAMPLING PLAN 75% COMPLETE.

D) OSC AND RESPONSE MANAGER CONTINUE DISPOSAL FEASIBILITY.

E) OSC PLANS TO DISPOSE OF ALL PCB OILS ASAP (INCINERATION) . ESTIMATED AS MUCH AS 8000 GALLONS OF PCB OIL MAY BE ON SITE. OSC TASKED ERCS TO DEVELOPE ACCURATE ESTIMATE OF TOTAL PCB OIL.

F) OSC TASKED TAT WITH DEVELOPEMENT OF ENGINEERING PLAN FOR FUTURE EXCAVATION. SHALLOW GROUNDWATER (LESS THAN 2 FT.) WILL PROBABLY REQUIRE EITHER DEWATERING OR COLLECTION AND TREATMENT OF WATER ENCOUNTERED DURING ECXCAVATION.

II) ACTIONS TAKEN

A) OSC AND TAT PERFORMED A LEVEL A SITE ENTRY AND SAMPLED DRUMS IN ORDER TO MAINTAIN EXPERTISE IN THIS AREA AT THE DIRECTION OF ERS CHIEF TOM MASSEY.

B) 930 LOADER TO BE DEMOBILIZED DECONNED THID DATE.

C) OSC REQUESTED DROP IN ERCS CREW SIZE DOWN TO 5 PERSONNEL TO COMPLETE THESE PROJECT PHASES.

D) USCG/AST CONTINUE COST CONTROL AND SITE SAFETY DUTIES.

E) ERCS AND TAT COLLECTED ON SITE SOIL SAMPPLES AND CORES.

F) A TRENCH WAS CUT ALONG SITE BORDER TO DIVERT RUNOFF WATERS AWAY FROM SITE.

G) TAT INVESTIGATING PAST HISTORY OF STREAM FLOODING AND POSSIBLE IMPACTED RESIDENTIAL AREAS.

H) LOCAL COUNTY HEALTH DEPT. ON SCENE FOR SITE TOUR AND BRIEFING.

III) FUTURE PLANS

A) ALL WORK FOR PHASES I AND II TO BE COMPLETE BY TUESDAY 1/8/85.

B) OSC TO CONTINUE DEMOB OF ALL UNNECESSARY EQUIPMENT AND PERSONNEL.

C) MEASURING AND SAMPLING TO BE COMPLETED BY COB 1/6/85

D) ALL SAMPLES TO BE SENT TO CONTRACTED LAB (MARTEL) 1/7/85 OSC REQUIRING STRICT QA/QC BY LAB.

E) OSC TO MEET WITH WVDNR AND LOCAL OFFICIALS PRIOR TO SITE DEMOB.

F) DISPOSAL OF INCINERATABLE OILS EXPECTED TO OCCUR WITHIN 30 DAYS PENDING APPROVALS.

G) OSCC TO SET UP REGULAR SITE MONITOTING OF SITE WHILE AWAITING DISPOSAL APPROVALS.

ROBERT E. CARDN
ON SCENE COORDINATOR
USEPA- REGION III
PHILADELPHIA, PA.

MMMM

EPAOHM PHA

100354

EPAOHM PHA

EASYLINK 4536125A001 7JAN85 09:38/09:38 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

SHAFFER ELECTRIC EQUIPMENT CO,
SUPERFUND IMMEDIATE REMOVAL PROJECT
FAYETTE COUNTY MINDEN, WV
POLREP 16

I. SITUATION (1700 HRS 1/6/85)

A. PERSONNEL ON SCENE:

EPA 1
USCG/AST 2
TAT 2

3 ERCS 5

B. WEATHER: SUNNY COOL, 45°F

C. ESTIMATED COSTS COB: (1/5/85)

ERCS 35622 CEILING 100,000
USCG/AST \$1888 CEILING 15,000
TAT 3900 CEILING 20,000
EPA \$2348 CEILING 15,000

D. MEASURING AND SAMPLING PLANS COMPLETED.

E. OSC STILL CONTROLLING OILY RUNOFF VIA UNDERFLOW DAMS AND SORBENTS.

II. ACTIONS TAKEN

A. MATERIALS STAGED TO DATE:

55 - DRUMS
107 - CAPACITORS
90 - TRANSFORMERS
2 - CIRCUIT BREAKERS
1 - SWITCH

B. SAMPLES TAKEN TO DATE:

46 - DRUMS
1 - CAPACITORS
1 - OIL SWITCH
1 - CIRCUIT BREAKER
78 - TRANSFORMERS
16 - ON SITE CORE SAMPLES
56 - ON SITE SURFACE SAMPLES
5 - DOWNSTREAM RESIDENTIAL YARD SAMPLES
17 - SURROUNDING PERIMETER, UPSTREAM YARD, AND OFF SITE SAMPLES
2 - ENTRANCEWAY SAMPLES
2 - WATER SUPPLY SAMPLES
3 - 3 UNDERFLOW DAM AND RUNOFF SAMPLES
1 - ON SITE SPRING SAMPLE
7 - STREAM SEDIMENT SAMPLES
1 - UPSTREAM
1 - DOWNSTREAM

1 - DOWNSTREAM

239 TOTAL SAMPLES

C. ESTIMATED COST FOR ANALYTICAL SAMPLES: \$25,000.

D. RUNOFF CONTAINMENT BERM CONSTRUCTION UNDERWAY.

E. VISUAL CORE SAMPLES INDICATE CLEAN CLAY LAYER IN THE WEST SECTION OF THE

SITE APPROXIMATELY 1.5 FEET DEEP.

F. ALL ACTIONS TAKEN TO COMPLETE PHASE 1 AND PHASE 2 TO DATE ISS 5 WORKING DAYS.

III. FUTURE PLANS

A. SITE DEMOB 1/8/85.

B. OSC TO AWAIT SAMPLE ANALYSIS TO BEGIN PHASE II.

C. LOCAL COUNTY SHERIFF TO CONTINUE REGULAR ROUNDS.

D. SHAFFER EQUIPMENT TO REGULARLY INSPECT DAMS.

E. ERCS TO MAINTAIN SITE OSC'S DIRECTION AS NEEDED.

SIGNED: ROBERT E. CARON
ON SCENE COORDINATOR
U.S. EPA- REGION III
PHILADELPHIA, PA.

100355

MMMM

SPILLSEPA WSH
POLREP 17

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY, MINDEN, W.VA.

I) SITUATION (1730 HRS., 1/7/85)

A) ESTIMATED COSTS TO DATE: (COB 1/6/85)

ERCS \$40920	CEILING \$100000
USCG/AST \$2328	CEILING \$15000
TAT \$4500	CEILING \$20000
EPA \$ 2648	

B) 1030 HOURS THIS DATE A 6 INCH WATER MAIN WAS STRUCK WHILE CONSTRUCTING A NEW UNDER FLOW DAM. ARBUCKLE WATER CO. WAS NOTIFIED IMMEDIATELY. WATER SUPPLY FOR MINDEN WAS IMMEDIATELY SHUT OFF TO ALLOW INVESTIGATION INTO SERIOUSNESS OF THE BREAK. WATER LINES WERE PREVIOUSLY MARKED BASED ON MAPS PROVIDED BY THE WATER COMPANY. LINE STRUCK WAS NOT INDICATED ON THE MAP. INACCURACIES IN THE WATER LINE MAPS WERE ADMITTED TO BY THE WATER CO. WATER CO. WAS ABLE TO ISOLATE THE EFFECTED AREA WHILE REPAIRS WERE MADE, ONLY 50 HOMES IMPACTED. WATER LINE WAS CLEANED AND PURGED PRIOR TO BEING TURNED BACK ON. APPROXIMATELY 7 HOURS NEEDED TO EFFECT REPAIRS. WORKERS FROM ARBUCKLE WATER ASSISTED. USCG/AST ASSURED THAT THESE WORKERS WERE PROTECTED AND PROPERLY FITTED WITH SAFETY GEAR. OSC ADVISED WORKERS OF HAZARDS AND THAT EPA SAFETY PROTOCOLS ARE STRICTLY ENFORCED.

C) OSC EXTREMELY CONCERNED OVER LACK OF ADEQUATE MAPPING OF WATER, SEWER AND GAS MAINS THAT RUN BENEATH THE SITE. CABOT GAS CO., HAS AGREED TO ROUT THEIR LINE AROUND THE SITE AT NO COST TO EPA. ARBUCKLE WATER DOES NOT HAVE THE FUNDS TO REROUTE THEIR LINES. OSC FEELS THAT NO EXCAVATION OF THE CONTAMINATED SOILS ON SITE CAN BE PERFORMED SAFELY WITHOUT AGAIN DAMAGING THE WATER LINE. WATER LINE IS KNOWN TO RUN THROUGH HEAVILY CONTAMINATED SOILS. IN ADDITION WATER LINE IS CONSTRUCTED OF PVC PIPE AND IS THEREFOR MORE LIKELY TO BREAK. WATER CO. AND RESIDENTS EXPRESSED SOME CONCERN OVER THE POSSIBILITY OF PERMEATION OF THE LINE BY PCB OR THE SOLVENT VEHICLES FROM PCB OILS. OSC HAS ASKED ERT FOR THEIR OPINION OF THIS.

D) ALL WORK FOR PHASE I AND II COMPLETED.

II) ACTIONS TAKEN

A) OSC DISCUSSED WATER LINE SITUATION WITH ERS CHIEF, TOM MASSEY, REGIONAL COUNSEL, KERMIT RADER, AND HQ/ERD, COLLEEN CARRUTHERS. OSC CONSIDERING REROUTING WATER LINE WITH PROJECT FUNDS SINCE:

- ESTIMATE FOR REROUTE IS LESS THAN \$15000
- ESTIMATED THAT CONSTRUCTION TECHNIQUES NECESSARY TO AVOID BREAKING THIS LINE WOULD COST IN EXCESS OF \$15000.
- IT IS UNKNOWN AS TO POSSIBILITY OF PERMEATION OF PIPE BY PCB OR SOLVENT VEHICLES (MONO AND DICHLORO BENZENES.)

B) CONCRETE UNDERFLOW DAMS INSTALLED.

C) ALL SAMPLES SHIPPED TO LAB.

III) FUTURE PLANS

A) SITE DEMOB 1/8/85

B) COMMAND POST TO REMAIN ON SITE.

C) COUNTY SHERIFF TO MAINTAIN REGULAR SECURITY.

D) ANALYSIS EXPECTED TUESDAY 1/15/85 FOR TRANSFORMER AND DRUM OILS. OSC AND RESPONSE MANAGER TO INVESTIGATE BEST ALTERNATIVE FOR PCB OILS INCINERATION. OSC HAS PRIORITIZED THIS ACTION. REMOB BACK ON SITE TO LOAD TRANSPORT AND INCINERATE OILS WITHIN 21 DAYS.

E) TAT TO USE SOIL SURFACE AND CORE DATA TO ACCURATELY ESTIMATE SOIL TO BE EXCAVATED.

F) UPON DATA RECEIPT AND EVALUATION, OSC TO DEVELOPE ADDITIONAL FUNDING REQUEST TO COVER TRANSPORT AND DISPOSAL

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

100356

TLX 11 7108229269
CONNECTED 10-Jan-85 10:54 51

SPILLSEPA WSH
FOLREF 18

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

I) SITUATION: (1700HRS., 1/8/85)

A) PRESS INTEREST STILL HIGH. OSC RECIEVED CALLS FROM 3 LOCAL
NEWSPAPERS AND T.V.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
C) OSC FEELS THAT THE REROUTING OF WATER LINE IS NECESSARY TO REMOVE
THE THREAT OF WATER LINE BREAKAGE AND RESULTANT CONTAMINATION BY
PCB.

II) ACTIONS TAKEN

A) OSC DIRECTED TAT TO ATTEND THE NEXT REGULAR BOARD MEETING OF THE
ARBUCKLE WATER COMPANY AND DISCUSS THE FOLLOWING:

-ROUTE OF PROPOSED REROUTED WATER LINE
-SPECIFICATIONS ETC. FOR WATER SYSTEM

TAT TO DEVELOPE ESTIMATES BASED ON DISCUSSIONS WITH THE WATER CO.
FOR THE REROUTE OF LINE.

B) OSC VERIFIED THAT SECURITY IS IN PLACE AND DAMS ARE EFFECTIVELY
CONTROLLING THE OILY DISCHARGE. TAT TO INSPECT SITE ON 1/11/85.

III) FUTURE PLANS

A) OSC AWAITING LAB DATA.

B) UPON RECIEPT AND REVIEW OF DATA ,OSC TO DEVELOPE AN ADDITIONAL
FUND REQUEST TO REROUTE WATER LINE, TRANSPORT AND DISPOSE OF PCB
CONTAINING TRANSFORMERS, CAPACITORS AND DRUMS, EXCAVATION, TRANSPORT
AND DISPOSE OF CONTAMINATED SOILS AND BACKFILL, REGRADE, CONTROL
EROSION AND OTHERWISE RESTORE THE SITE.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

SPILLSEPA WSH

DISCONNECTED 10-Jan-85 10:57 54

100357

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO.
FAYETTE COUNTY
MINDEN, W.VA.

- I) SITUATION (1700 HRS., 1/14/85)
- A) TAT ON SCENE 1/11/85. ALL ON SITE STAGING O.K., UNDERFLOW DAMS STILL CONTROLLING OILY, PCB LADEN DISCHARGE ADEQUATELY.
 - B) TAT ATTENDED BOARD MEETING OF ARBUCKLE WATER CO., TO DISCUSS POSSIBLE REROUTE OF WATER LINE AROUND SITE. ARBUCKLE WATER CO. ENGINEER, GEORGE SHUFF, TO WORK WITH TAT TO DESIGN AND SPEC WATER LINE. WATER CO. EXPRESSED DESIRE FOR MR. SHUFF'S TIME TO BE REIMBURSED AS A CONSIDERABLE AMOUNT OF TIME AND EFFORT WILL BE NECESSARY TO COMPLETE THE WORK TO MEET THE NEEDS OF EPA AND THIS PROJECT.
- II) ACTIONS TAKEN
- A) OSC DIRECTED TAT TO SECURE THE SERVICES OF MR. SHUFF UNDER SPECIAL PROJECTS. OSC INFORMED BY TAT THAT THE SPECIAL PROJECTS CEILING IS PRESENTLY \$9630 AND THAT A REQUEST FOR EXCEEDING THE \$10000 CEILING WOULD BE NECESSARY.
 - B) OSC REQUESTS ADDITIONAL SPECIAL PROJECTS MONIES TO SECURE THE ABOVE NECESSARY SERVICES. SINCE MR. SHUFF HAS UNIQUE KNOWLEDGE AND EXPERIENCE WITH THE ARBUCKLE WATER SYSTEM, AND THE TOTAL ESTIMATED COSTS ARE \$500, OSC FEELS THAT SOLE SOURCE IS JUSTIFIED. OSC HAS PREVIOUSLY DIRECTED TAT TO DESIGN AND SPEC WATER LINE. SPECIAL PROJECTS IS NECESSARY ROUTE IN ORDER TO ALLOW TAT INPUT AND CONTROL OF WATER LINE DESIGN AND WORK PRODUCT.
 - C) OSC DISCUSSED ABOVE REQUEST WITH DPO, STEVE JARVELA, TATL, AND ACTING P.O., JIM JOWETT.
- III) FUTURE PLANS
- A) OSC AWAITING APPROVAL FROM EPA HQ FOR SPECIAL PROJECTS.
 - B) OSC AWAITING ANALYTICAL RESULTS.
 - C) DRAFT ADDITIONAL FUNDING REQUEST BEING PREPARED.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-REGION III
PHILADELPHIA, PA.

EASYLINK 7169997A001 24JAN85 14:53/14:54 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP 19

SUPERFUND IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

- I) SITUATION (1400 HRS., 1/24/85)
- A) OSC INFORMED BY RESPONSIBLE PARTY OF A PUBLIC MEETING HELD FRIDAY, 1/18/85. THIS SITE AND THE CLEANUP WAS DISCUSSED. NEITHER EPA OR STATE PERSONNEL WERE INVITED. CITIZENS ARE CONCERNED OVER THE FACT THAT AS MUCH AS 5 MONTHS WILL BE NECESSARY TO COMPLETE THE PLANNED PROJECT. THE NAME OF THE NEWLY FORMED CITIZEN GROUP IS "THE PEOPLES JUSTICE COMMITTEE".
 - B) OSC HELD A PUBLIC MEETING IN WHICH THE PROJECT WAS COMPLETELY EXPLAINED AND THE CITIZENS WERE BEING PROTECTED AND INFORMED. CITIZENS ARE CONCERNED OVER THE FACT THAT IT IS NOT KNOWN AT THIS TIME WHETHER THE PCB HAS MIGRATED INTO THE RESIDENTIAL AREA. THIS IS HIGHLY UNLIKELY, HOWEVER SAMPLES WERE COLLECTED IN THE RESIDENTIAL AND FLOOD ZONE AREAS. WVDNR AND LOCAL GOVT. ARE OF THE OPINION THAT THIS MEETING WAS PROMPTED BY INDIVIDUALS WHO HAVE HISTORICALLY BEEN INVOLVED IN SIMILAR UNDERTAKINGS.
 - C) PRESS AND MEDIA INTEREST IS VERY HIGH. ABOVE MENTIONED MEETING WAS COVERED.
 - D) OSC CONCERNED SINCE NO CONTACT FROM EITHER THE CITIZENS GROUP OR THE MEDIA WAS MADE TO EPA TO SOLICIT OUR COMMENTS.
- II) ACTIONS TAKEN
- A) OSC IMMEDIATELY INFORMED PUBLIC AFFAIRS, JANET LUFFY AND BOB CHADWICK OF THE MEETING AND FURTHER REQUESTED IMMEDIATE HANDLING OF THIS PROBLEM AND CITIZENS CONCERNS. PUBLIC AFFAIRS CONTACTED WVDNR PRESS AFFAIRS AND THE LOCAL MEDIA TO DISCUSS THE SITUATION PUBLIC AFFAIRS TO DRAFT A PRESS ADVISORY AND POSSIBLY A SECOND PUBLIC MEETING TO PROPERLY INFORM AND FURTHER REASSURE THE RESIDENTS OF MINDEN.
 - B) TAT CONTINUING THE DESIGN AND COSTING FOR A REROUTE OF THE WATER LINE IN CONJUNCTION WITH THE LOCAL WATER COMPANY.
 - C) OSC HAS DETERMINED THAT THE SITE REMAINS STABLE DUE TO FREEZING TEMPS. AND LOW PRECIPITATION.
- III) FUTURE PLANS
- A) DATA DUE 1/25/85.
 - B) OSC AND RESPONSE MANAGER TO IMMEDIATELY BEGIN DISPOSAL ARRANGEMENTS FOR TRANSFORMERS AND CAPACITORS. DISPOSAL TO OCCUR HOPEFULLY BY THE SECOND WEEK OF FEBRUARY.
 - C) OSC TO COMPLETE FUND REQUEST AFTER COMPLETE DATA REVIEW.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100358

EASYLINK B240002A001 31JAN85 15:21/15:21 EST
FROM: TWX 9103335719 EPAQHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL ACTION
SPECIAL BULLETIN A
~~SHAFER EQUIPMENT CO~~
MINDEN, WV

PRELIMINARY SAMPLING PERFORMED DURING NOVEMBER, 1984 INDICATED HEAVY PCB CONTAMINATED SOILS AT THE SHAFER EQUIPMENT CO. PROPERTY. THE ANALYSIS INDICATED HOT SPOTS ON THE PROPERTY UP TO 21% PCB MATERIALS IN THE SOILS. A RUN-OFF DITCH ON THE PROPERTY WAS SAMPLED AND INDICATED PCB MIGRATING OFF THE PROPERTY THROUGH THE DITCH INTO THE STREAM. EXTENT OF CONTAMINATION SAMPLING WAS PERFORMED ON JANUARY 6, 1985. ANALYSIS INDICATES NO OFF SITE MIGRATION TO THE IMMEDIATE SURROUNDING PROPERTIES FACING SOUTH, WEST OR NORTH. THE SAMPLES TAKEN FROM THE STREAM SEDIMENT AND WATER LOCATED ADJACENT AND DOWNSTREAM OF THE PROPERTY INDICATE PCB MIGRATING INTO THE STREAM. THE ANALYSIS RECEIVED ARE AS FOLLOWS:

UPSTREAM WATER	NON DETECTED
UPSTREAM SEDIMENT	NON DETECTED
NATURAL SPRING ON SITE	16 PPB
MID SITE STREAM SEDIMENT	NON DETECTED
ADJACENT BUILDING STREAM SEDIMENT	25 PPM
300 FT DOWNSTREAM SEDIMENT	73 PPM
ADJACENT SCALEHOUSE DOWNSTREAM SEDIMENT	14 PPM
700 FT DOWNSTREAM SEDIMENT	17 PPM
1/4 MILE DOWNSTREAM	6.0 PPM
1/4 MILE DOWNSTREAM WATER	2.3 PPB

DOWNSTREAM RESIDENTIAL YARD SAMPLES WERE TAKEN APPROXIMATELY 1/4 MILE AND ONE MILE DOWNSTREAM. THE RESULTS ARE LISTED BELOW:

JAMES GRUBB YARD COMPOSITE	1/4 MILE DOWNSTREAM	
15PPM		
DELBERT LOUIS YARD COMPOSITE	ONE MILE DOWNSTREAM	15
PPM		
DELBERT LOUIS SEDIMENT BERM FROM STREAM	ONE MILE DOWNSTREAM	15
PPM		
DOUGAN YARD COMPOSITE	ONE MILE DOWNSTREAM	11
PPM		
SHUFF YARD COMPOSITE	ONE MILE DOWNSTREAM	

NOT/DET

OSC EXTREMELY CONCERNED AS REGARDS ABOVE REPORTED RESULTS. CDC TO BE IMMEDIATELY ADVISED AND COMMENT REQUESTED AS REGARDS SITUATION. OSC STILL BELIEVES THAT LEAST 2000 CUBIC YARDS OF CONTAMINATED MATERIAL EXISTS ON SITE AND THAT NO FEASIBLE COST EFFECTIVE ALTERNATIVE EXISTS WHICH WOULD ALLOW FOR CONTAINMENT/ STABILIZATION ON SITE. IN ADDITION AN EXCAVATION WILL ENCOUNTER, GROUNDWATER WHICH IS KNOWN TO BE CONTAMINATED, PROBABLY REQUIRING TREATMENT. THESE FACTS INDICATE THAT THIS PROJECT WILL PROBABLY EXCEED ONE MILLION DOLLAR CEILING. OSC TO BEGIN PREPARATION OF FUNDING REQUEST TO INCLUDE ALL AVAILABLE, FEASIBLE OPTIONS

ROBERT E. CARON
ON-SCENE COORDINATOR
US EPA REGION III
PHILADELPHIA, PA

100-59

EPAOHM PHA

EASYLINK 8532533A001 3FEB85 09:24/09:25 EST
SUSPECTED DUPLICATE
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP 20

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (0800HRS., 2/3/85)

- A) ENFORCEMENT (DIANNE SCHOTT) TASKED TES CONTRACTOR WITH RF SEARCH. TES CONTRACTOR (VERSAR) INTERVIEWED LOCAL RESIDENTS AND PAST WORKERS. TWO ADDITIONAL AREAS OF POSSIBLE PCB DUMPING HAVE BEEN IDENTIFIED. APPARENTLY SEVERAL THOUSAND GALLONS MAY HAVE BEEN DUMPED IN A HOLE LOCATED NEAR THE SITE IN THE MID 70'S.
- B) TES CONTRACTOR HAS DETERMINED THAT BERWIND LAND CO. DOES OWN APPROXIMATELY 1.72 ACRE OF SITE WHICH IS SHOWN TO HAVE PCB'S IN SOIL IN EXCESS OF 50 PPM.
- C) ALL RESULTS FROM SAMPLING PERFORMED 1/6/85 HAVE BEEN RECEIVED.
- D) OSC ACTIVATED ERT FOR ON SCENE ASSISTANCE WITH ENGINEERING INVOLVED WITH SOIL AND STREAM EXCAVATION. ERT TO PROVIDE QC REVIEW OF DATA. ERT TO PROVIDE ASSISTANCE WITH DISPOSAL OPTIONS AND ALTERNATIVES.
- E) OSC, TAT AND ERT ACTIVELY REVIEWING THE MEASURING AND SAMPLING DATA FROM THE 278 SAMPLES COLLECTED 1/6.

II) ACTIONS TAKEN

- A) OSC DIRECTED ERCS TO UTILIZE DATA FROM TRANSFORMERS SAMPLING TO DEVELOPE DISPOSAL ESTIMATES FOR TRANSFORMERS AND CAPACITORS. BEST OPTION APPEARS TO BE THE G.E. FACILITY IN PHILADELPHIA. ESTIMATE FOR DISPOSAL OF OILS AND SHELLS IS 79,000.
- B) OSC CONTACTED REGIONAL RCRA AND RCRA ENFORCEMENT AS REGARDS FACILITY STATUS. REGION TO RESPOND TO OSC 2/4/85.
- C) TAT COORDINATING REROUT OF WATER LINE WITH ARBUCKLE WATER CO. ESTIMATES FOR PURCHASE OF PIPE ARE \$7,000.

III) FUTURE PLANS

- A) OSC TO FINALIZE ARRANGEMENTS FOR DISPOSAL OF TRANSFORMERS AND CAPACITORS. PRESENT PROJECT CEILING WILL ACCOMODATE THIS DISPOSAL.
- B) OSC PLANS TO DIRECT ERCS TO PURCHASE PIPE FOR WATER LINE. LOCAL SUB TO BE USED FOR INSTALLATION.
- C) OSC, USCG/AST, TAT, ERT, STATE AND ERCS TO MOBILIZE O/S 2/11/85. DISPOSAL TO OCCUR FOR TRANSFORMERS ETC., ADDITIONAL SAMPLING OF NEWLY IDENTIFIED AREAS, ENGINEERING AND FEASIBILITY FOR SOIL REMOVAL AND POSSIBLE PUBLIC MEETING TO ASSURE RESIDENTS OF SITE CONTROL AND STABILIZATION.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMMM

EPAOHM PHA

100360

EPAOHM PHA

EASYLINK 9187641A001 7FEB85 09:33/09:33 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP 21

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (1800 HRS., 2/6/85)

- A) OSC, TAT, ERT AND ERCS REVIEWING DATA. ERT REQUESTED TO ASSIST OSC WITH QC/QA, ENGINEERING AND FEASIBILITY AND DISPOSAL OPTIONS.
- B) ERCS FINALIZING DISPOSAL ARRANGEMENTS FOR TRANSFORMERS AND CAPACITORS. THE G.E. FACILITY IN PHILADELPHIA IS BEING CONSIDERED AS PRIME CANDIDATE FOR THIS DISPOSAL. THIS FACILITY WILL DRAIN AND PROPERLY HANDLE TRANSFORMERS AND CAPACITORS. PCB OILS WILL BE INCINERATED AT EITHER THE GE INCINERATOR IN MASS. OR AT THE ENSCO FACILITY IN TEXAS.
- C) OSC HAS DISCUSSED THE ABOVE FACILITY WITH BOTH TSCA, AND RCRA PERSONNEL FROM THE REGION. FACILITY IS IN COMPLIANCE. DISPOSAL ESTIMATE IS BASED ON 73 TRANSFORMERS AND 91 CAPACITORS. (\$79000).

II) ACTIONS TAKEN

- A) ERCS IN RECEIPT OF SPECS FOR REROUTE OF THE WATER LINE. OSC HAS DIRECTED ERCS TO PURCHASE PIPE AND FITTINGS. (EST. \$8000).
- B) OSC ADVISED OPA OF NEW CITIZEN GROUP BEING FORMED KNOWN AS EITHER THE PEOPLES JUSTICE COMMITTEE OR CITIZENS TO SAVE THE PLATEAU. THIS GROUP IS DEMANDING A HEALTH STUDY. WV STATE HEALTH HANDLING INQUIRIES IN CONJUNCTION WITH CDC.
- C) OSC HAS PROVIDED WV STATE HEALTH, ERT, WVDNR, CDC AND ENFORCEMENT WITH COPIES OF ALL SAMPLE ANALYSIS AND PRELIMINARY INTERPRETATION OF THE RESULTS.
- D) OSC HAS REQUESTED ERT (ANDRE ZOWNIR) TO INVESTIGATE OTHER DISPOSAL OPTIONS BESIDES INCINERATION. SOIL WASHING AND TREATMENT IN SITU BEING CONSIDERED. OSC TO DEVELOPE OPTIONS ANALYSIS INCLUDING COST ESTIMATES WITHIN THE NEXT TWO WEEKS.
- E) OSC ALERTED USCG/AST AS TO POSSIBLE REACTIVATION OF SITE UPON FINALIZING DISPOSAL AND RECEIVING WATER PIPE. USCG/AST REQUESTED OSC TO USE THEIR NEW COMMAND POST AS A TEST AT NO COST TO THE PROJECT.

OSC HAS AGREED.

III) FUTURE PLANS

- A) OSC INTENDS TO REQUEST ADDITIONAL FUNDS ASAP TO COMPLETE DISPOSAL OF TRANSFORMERS AND CAPACITORS., REROUTE OF WATER LINE AND DISPOSAL FEASIBILITY STUDY FOR SOILS. DATA INDICATES THAT PCB STILL CONTINUES TO MIGRATE OFF SITE AT VERY LOW LEVELS. PRESENT CONTAINMENT CONTROLS OILY RUNOFF ONLY AND REQUIRES REGULAR MAINTENANCE. ADDITIONAL FUNDS WILL COVER ENGINEERING FEASIBILITY STUDY TO CONTROL OFF SITE

MIGRATION

- WHICH APPEARS AT THIS TIME TO INVOLVE EXCAVATION AND DISPOSAL.
- B) UPON FINALIZING DISPOSAL AND PIPE PURCHASE OSC WILL REACTIVATE SITE. EXPECTED WEEK OF 2/11/85.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMM

100361

CONNECTED 14-Feb-85 15:25 06

SPILLSEPA WSH

EASYLINK 0362056A001 14FEB85 15:23/15:23 EST
FROM: TNX 9103335719 EPACM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
MINDEN WEST VIRGINA
POLREP #22

I. SITUATION (1700 HRS. 2/8/85)

A. OSC, TAT, ERT, ERCB HAS COMPLETED REVIEW OF ANALYTICAL DATA.

90 TRANSFORMERS

107 CAPACITORS

55 DRUMS

THE FOLLOWING NUMBER INDICATE THE QUANTITY OF MATERIALS BEARING PCB
CONTAMINATED MATERIALS:

27 TRANSFORMERS

107 CAPACITORS

1 DRUM

B. ERCB HAS ARRANGED FOR DISPOSAL OF PCB MATERIALS LISTED ABOVE. BEST
OPTION AVAILABLE IS GE IN PHILA, PA.

C. COST TO DATE (2/1/85)

ERCB - 41,485 USCG/AT 3320

TAT - 7,700

EPA - 3,248

D. OSC CONTINUES TO COORDINATE WITH STATE DNR, ERT, AS REGARDS FOR
ALTERNATIVES FOR DISPOSAL. OSC INTENDS TO ORGANIZE A TASK GROUP TO
INCLUDE THE FOLLOWING:

EPA TAT

EPA/ERT

WVDNR

TSCA

II. ACTIONS TAKEN :

A. OSC DIRECTED ERCB TO MOBOLIZED 2/11/85 IN PREP. TO T&D TRANSFORMERS
CAPACITORS, AND DRUMS.

B. OSC INFORMS DNR OF MOBE. SITUATION.

OSC INFORMS RESPONSIBLE PARTY OF MOBE SITUATION

D. OSC COMPLETED ADDITIONAL REQUEST FOR FUNDS TO BE SUBMITTED FOR
CONCURRENCE 2/12/85

III. FUTURE PLANS :

A. MOBILIZATION ON SCENE 2/11/85, WORK TO BEGIN 2/12/85.

B. OSC AND TAT TO FINALIZE ROUTE FOR WATER LINE.

ROBERT E. CARON

ON-SCENE-COORDINATOR

USEPA REGION III PHILA, PA. MMM

100362

EASYLINK 0403861A001 14FEB83 17:46/17:47 EST
FROM: TMX 9103333719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
HINDEN WEST VIRGINA
POLREP 823

I. SITUATION (1700 HRS. 2/13/83)

- A. HEAVY SNOW(13INCHES) HAMPERING MOBILIZATION.ALL EQUIPMENT AND PERSONNEL FINNALLY ARRIVED BY 1700 HRS THIS DATE.
- B. OSC BRIEFED SUPERFUND BRANCH CHIEF TOM VOLTAGGIO,AS REGARDS PRESENT SITUATION ON SCENE AND PLANS FOR ALTERNATIVES. BRANCH CHIEF DIRECTED BOTH OSC AND ERS CHIEF TO CLOSELY WORK WITH REGIONAL TSCA PERSONNEL AS REGARDS FACILITY STATUS OF PROPOSED TRANSFORMER/CAPACITOR DISPOSAL FACILITY,GE PHILA,PA.
- C. ERS CHIEF,TOM MASSEY INFORMED OSC THIS DATE THAT FACILITY MAY HAVE COMPLIANCE PROBLEMS.TELCON WITH ERS CHIEF,OSC AND TSCA(LARRY MILLER) RESULTED IN DEISION TO TSCA INSPECT FACILITY ASAP. OSC PREVIOUSLY DETERMINED THAT THERE ARE NO OFFICAL COMPLIANCE PROBLEMS AS YET, HOWEVER UPON GUIDENCE FROM REGIONAL MANAGEMENT,THE ABOVE COORDINATION IS REQUIRED.
- D. OSC HAS DETERMINED THAT EXPEDITIOUS FACILITY STATUS IS REQUIRED AS SITE ACTIVITIES HINGE UPON THIS TRANSFORMER/CAPACITOR DISPOSAL. ANY HOLDUP IN REGIONAL TSCA APPROVAL WILL RESULT IN STANDBY COSTS (500/DAY) WHILE WAITING. IN ADDITION OSC ELECTED TO DRAIN ALL TRANSFORMERS INTO DRUMS TO BETTER SECURE SITE,AS TRANSFORMERS AND CAPACITORE ARE STAGED IN THE FLOOD PLAIN. IT IS VERY LIKELY THAT A THAW WILL PRODUCE FLOODING DUE TO DEEP SNOWPACK. OSC PREPARED TO RESTAGE DRUMS AT ANOTHER LOCATION APPROVED BY PROPERTY OWNER IF NECESSARY.

II ACTIONS TAKEN

- A. TAT FINALIZING REROUTE OF WATER LINE.
- B. OSC DIRECTED ERCS TO DEVELOP AND SEEK APPROVALS FOR AT LEAST THREE OTHER TRANSFORMER/CAPACITOR LOCATIONS.PRELIMIARY ESTIMATES INDICATE THAT AN ADDITIONAL (50,000 OVER ORIGNAL ESTIMATE (80,000)) WILL BE NECESSARY IF DISPOSAL OCCURES OUTSIDE REGION. OSC CONCERNED THAT UNDER PRESENT GUIDENCE THAT DISPOSAL WILL BE VERY DIFFICULT TO LINE UP. OSC CONSIDERING CONSTRUCTION OF A MORE PERMANENT STAGING AREA.
- C. ERCS PUMPING ALL TRANSFORMERS OIL TO DRUMS.
- D. OSC CONTACTED CDC TO SEEK THEIR ADVICE AND FINDING AS TO RESIDENTIAL SAMPLE RESULTS.OSC STILL WAITING.
- E. OSC AND WVDNR CONCUR THAT A SECOND PUBLIC MEETING SHOULD BE HELD TO DISCUSS CITIZENS CONCERNS AS PER POLREP 19.

III. FUTURE PLANS

- A. OSC AWAITING TSCA FINDINGS.
- B. OSC AWAITING ERCS DECISSION
- C. OSC AWATING CDC FINDING.
- D. PUBLIC MEETING SCHEDULED 2/21/83 7:00 PM
- E. ALTERNATIVES TASK GROUPS TO MEET 2/21 IN CHARLESTON.EPA,ERT,WVDNR AND TAT TO BE GROUP MEMBERS.FIRST MEETING WILL DETERMINE IF GROUP SHOULD BE EXPANDED.
- F. OSC EXPECTS BOB CIBULSKIS(ERT)ON 2/19/83 TO BEGIN FIELD TRIAL OF NEW FIELD COMPUTER SYSTEM.D.C. TAT,REGION7TAT AND REGION 3,TAT TO BE ON SCENE TO BE TRAINED.OSC INVITES ALL REGIONAL PERSONAL INTRESTED IN COMPUTER OPERATION (COST CONTROL) ONSCENE.

ROBERT E.CARON
ON-SCENE-COORDINATORE
USEPA REGION III PHILA,PA.

MMH4

100363

TLX 11 7108229269
CONNECTED 15-Feb-85 08:01 28

SPILLSEPA WSH

EASYLINK 0391922A001 14FEB85 16:58/16:59 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
MINDEN WEST VIRGINA
SPECIAL BULLETIN

IN LIGHT OF THE INACCESSABILITY OF INCINERATORS, AND LANDFILLS
THROUGHOUT THE COUNTRY DISPOSAL OPTIONS HAVE BECOME A CRITICAL ISSUE TO
THIS REMOVAL PROJECT AS PER HQ AND REGIONAL GUIDANCE. ALTERNATIVE
OPTIONS THAT ARE AVAILABLE AND CURRENTLY BEING INVESTIGATED ARE :

1. COMMERCIAL INCINERATOR WITH ROTARY KILN
2. CHEMICAL DETOXIFICATION ON-SITE.
3. CHEMICAL DETOXIFICATION IN-SITE.
4. HIGH TEMPERATURE FLUID WALL DESTRUCTION.
5. SOLVENT EXTRACTION
6. SLURRY WALL AND CAPPING.
7. MICROBIOLOGICAL DESTRUCTION.

ERT WAS NOTIFIED BY OSC VIA LETTER TO STEVE LINGLE WASHINGTON HQ.
OSWER. DR. JOSEPH LAFFORIAN AND ANDRE ZOWNIR TO SPEARHEAD OPTIONS
STUDY AND FEASIBILITY ANALYSIS. TAT HAS BEEN TASKED BY SPECIFIC TDD
TO AID IN THE INVESTIGATION AND ALL DISPOSAL ALTERNATIVES. OSC HAS
CONSULTED WITH REGIONAL PERSONAL ERS CHIEF TOM MASSEY AND SUPERFUND
BOARD, TOM VOLTAGGIO IN REFERENCE TO DIFFERENT DISPOSAL ALTERNATIVES
AND TECHNIQUES. OSC HAS AND WILL COORDINATE ALL DISPOSAL ACTIVITIES
EITHER PROPOSED OR APPROVED WITH REGIONAL AND ANY OTHER APPLICABLE
TSCA PERSONNEL, OSC HAS PRELIMINARILY DISCUSSED ALTERNATIVES WITH REGIONAL
TSCA PERSONAL (ED COHEN), LARRY MILLER.

ROBERT E. CARON
ON-SITE-COORDINATOR
USEPA REGION III PHILA, PA.

MMMM

100364

EPADHM PHA

EASYLINK 0603050A001 15FEB85 17:08/17:10 EST
FROM: TWX 9103335719 EPADHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL
SHAFFER ELECTRIC SITE
MINDEN, WEST VIRGINIA
POLREP 24

I. SITUATION (1800 HRS THURSDAY FEB 14 1985)

A. PERSONNEL ON SCENE

EPA-1 USCG/AST-3
TAT-3 ERCS-9
FAYETTE CO-2 ARBUCKEL-2

B. ESTIMATED COST TO DATE COB 2/14/85

EPA 3,848
TAT 9,500
USCG/AST 6,884
ERCS 90,170
TOTAL 110,401

C. WEATHER: COLD, LIGHT SNOW THROUGHOUT DAY. APPROX 12 INCHES OF SNOW HAS FALLEN OVER PAST 3 DAYS.

D. TRANSFORMERS EMPTIED THIS DATE- 15

E. PHONE LINES, POWER ETC. BEING INSTALLED.

F. BOB CIBULSKI, ERT TO BE ON-SCENE WEDNESDAY 2/20/85 FOR TRIAL RUN OF NEW COMPUTER SYSTEM.

II. ACTIONS TAKEN

A. OSC, ERCS, TAT MET WITH ARBUCKEL WATER CO. REGARDING THE REROUTING OF THE WATER LINE. IT WAS DECIDED THAT THE MOST EXPEDIENT AND COST EFFECTIVE ALTERNATIVE IS TO REROUTE THE LINE ON THE OTHER SIDE OF THE STREAM.

B. ERCS BEGAN TRANSFERING OF TRANSFORMER OIL INTO OVERPACKS THIS DATE.

OPERATIONS HINDERED BY PUMP SIZE AND COLD WEATHER. LARGER PUMP TO ARRIVE TOMORROW.

C. OSC MET WITH SUBCONTRACTOR (DUNN ENGINEERING) TO DISCUSS SPECIFICATIONS FOR WATER LINE.

D. ERCS TO PROVIDE ACCURATE COST ESTIMATE FOR WATER LINE REROUTE.

III. FUTURE PLANS

A. ERCS TO CONTINUE EMPTYING OF TRANSFORMERS.

B. SUBCONTRACTOR TO BEGIN INSTALLATION OF WATER LINE TOMORROW

2/15/85.

C. OSC AWAITING DISPOSAL APPROVAL FOR PCB CONTAMINATED FLUIDS.

D. OSC AWAITING APPROVAL OF ADDITIONAL FUNDING REQUEST.

E. PUBLIC MEETING DATE SET FOR FEB 20, 1985 AT THE MINDEN

ELEMENTARY

SCHOOL.

F. OSC AWAITING CDC FINDINGS AND RECOMMENDATIONS FOR ADDITIONAL SAMPLING.

ROBERT E. CARON
ON-SCENE COORDINATOR
U.S. EPA REGION III
PHILA, PA

MMMM

100365

SPILLSEPA WSH

EASYLINK 0664205A001 16FEB85 16:41/16:42 EST
FROM: TWX 9103335719 EPADHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.
POLREP 25

I) SITUATION: (1800 HRS., 2/15/85)

A) PERSONNEL ON SCENE:

EPA-1
USCG/AST-3
ERCS-9
TAT-2
DUNN ENGINEERING-4
ARBUCKLE WATER-1

B) ESTIMATED COSTS TO DATE: (COB 2/14/85)

		CEILING
ERCS	-\$89783	\$150000
EPA	-\$3848	\$15000
TAT	-\$9500	\$20000
USCG/AST	-\$6883	\$15000
TOTAL	\$110014	\$200000

C) WEATHER: COLD PERIODS OF LIGHT SNOW.

D) TRANSFORMERS EMPTIED TO DATE-25

E) TRANSFORMERS EMPTIED THIS DATE-10

**F) A SECOND PHONE INSTALLED THIS DATE WHICH WILL BE THE OFFICIAL
EPA COMMAND POST OSC PHONE NUMBER. (304)-469-9486**

- G) OSC RECIEVED APPROVAL FOR ADDITIONAL \$625000 FROM R.A. NEW PROJECT
CEILING IS \$800000. MONIES TO BE USED FOR:**
-T&D TRANSFORMERS AND CAPACITORS.
-REROUTE OF WATER LINE
-EXCAVATION, STAGING CONTAMONATED SOILS
-PROPER BACKFILL AND REGRADE
-INVESTIGATE ALTERNATIVES FOR SOIL DISPOSAL

II) ACTIONS TAKEN

- A) THE OSC REQUESTED AND RECIEVED FROM CONTRACTS A \$50000 CEILING
INCREASE FOR THE ERCS DELIVERY ORDER TO CARRY OPERATIONS THRU
WEEKEND. REQUEST PRIOR TO RECIEVING ADDITIONAL FUND APPROVAL.**
- B) CABOT CORP. (GAS CO.) ON SCENE TO PLOT GAS LINES. NO GAS LINES
SHOWN IN EXCAVATION AREAS.**
- C) ERCS CONTINUES TO HAND PUMP TRANSFORMER FLUID INTO DRUMS. ALL
PCB TRANSFORMERS EMPTIED .**
- D) OSC MET WITH TAT, ERCS, DUNN, ARBUCKLE WATER CO., CABOT GAS CO., BERWIN
LAND CO TO DISCUSS REROUT OF WATER LINE.**
- E) ERCS BEGAN TRENCHING OF WATER LINE. THREE SECTIONS OF PIPE
INSTALLED THIS DATE. OPERATIONS HINDERED DUE TO GEOLOGY, EXTREMELY
ROCKY SOILS AND COLD TEMPS.**
- F) DURING SNOW REMOVAL A POWER LINE WAS SHORTED BY A STABILIZING CABLE
STRUCK BY DOZER. ELECTRIC CO ON-SCENE WITHIN 15 MINUTES. POWER DOWN
LESS THAN 30 MINUTES. PROBLEM MINOR. OSC STOPPED WORK TO REITERATE
SAFETY AND AVOID CARELESSNESS.**
- G) LANDOWNER BUTCH BRITT CONTACTED REGARDING REROUTE OF WATER LINE
ON PROPERTY HE OWNS. PERMISSION WAS GRANTED.**
- H) 1551 HOURS A GAS LINE WAS RUPTURED DURING TRENCHING OPERATIONS.
DESPITE GAS CO. ON-SCENE THERE WAS NO KNOWLEDGE OF THIS LINE.
LINE TURNED OUT TO BE A 2 INCH LINE FOR SERVICE TO A NEARBY
ABANDONED HOME. LINE REPAIRED BY GAS CO. HAS CO ASSURED OSC THAT NO
FURTHER GAS LINES EXIST IN EXCAVATION AREA.**
- I) OSC RECIEVED APPROVAL FROM REGION TO DISPOSE OF PCB FLUID AT GE
FACILITY IN PHILADELPHIA. DURING TELECON WITH ERS CHIEF, TOM MASSEY,
TSCA, CHRIS PILLA, AND OSC, OSC WAS INFORMED THAT GE FACILITY HAS
ONLY MINOR TECHNICAL VIOLATIONS AND NOTHING OF SIGNIFICANCE WAS
FOUND THAT WOULD PREVENT THE USE OF THIS FACILITY FOR PCB DISPOSAL.
IN ADDITION COMPANY HAS AGREED TO CORRECT ALL VIOLATIONS ASAP AND
IN FACT ALREADY HAS PLANS IN PLACE TO DO SO. FURTHER DETAILS OF
INSPECTION CAN BE HAD FROM REGION TSCA, CHRIS PILLA.**

MMMM

100366

EASYLINK 0664568A001 16FEB85 16:58/16:59 EST
FROM: TWX 9103335719 EPAQHM WV

POLREP :25 SHAFFER

III) FUTURE PLANS

- A) AN ERCS RT IS TO REMAIN ON SITE THRUOUT THE NIGHT FOR SITE SECURITY. THE RT IS TO MAINTAIN HEATER ON FROZEN TRANSFORMER PREPARE EQUIPMENT FOR MORNING OPERATIONS PERFORM NECESSARY EQUIPMENT REPAIRS AND PROVIDE SECURITY FOR EQUIPMENT ON SITE.**
- B) ERCS TO COMPLETE PUMPING OF TRANSFORMERS TOMORROW 2/16. FLUSHING OPERATIONS TO BEGIN SAME DATE.**
- C) INSTALLATION OF WATER LINE TO CONTINUE. EXPECTED TO BE COMPLETED WITHIN 10 DAYS.**
- D) OSC, TAT, ERT TO CONTINUE INVESTIGATION OF SOIL DISPOSAL OPTIONS.**
- E) PUBLIC MEETING SCHEDULED 2/20/85 AT 1900 HOURS. AT THE MINDEN ELEMENTARY SCHOOL**

ROBERT E. CARON
ON-SCENE COORDINATOR
EPA REGION III

DISCONNECTED 19-Feb-85 09:07 07

100367

EPADHM PHA

EASYLINK 06B2442A001 17FEB85 16:08/16:08 EST
FROM: TWX 9103335719 EPADHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO., SITE
MINDEN, W.VA.
POLREP 26

I) SITUATION: (1800 HRS., 2/16/85)

A) PERSONNEL ON-SCENE:

EPA-1
TAT-2
USCG/AST-3
ERCS-9
ARBUCKLE WATER-1
DUNN ENGINEERING-5

B) ESTIMATED COSTS TO DATE: (COB 2/15)

		CEILING
EPA	\$4448	\$15000
TAT	\$10700	\$20000
USCG/AST	\$8391	\$15000
ERCS	\$108138	\$150000
TOTAL	\$131677	

C) WEATHER: COLD, CLEAR-HIGH 33

D) TRANSFORMERS EMPTIED. (26) FLUSHING OPERATIONS ONGOING.

II) ACTIONS TAKEN

A) 13 SECTIONS OF WATER PIPE INSTALLED TO DATE. OPERATION PROGRESSING SMOOTHLY DESPITE WEATHER AND SOIL ROCK. 10 DAY ESTIMATE FOR COMPLETION OF WATER LINE LOOKS GOOD.

B) ERCS BEGAN PACKAGING, LABELING TRANSFORMERS AND DRUMS FOR SHIPMENT.

III) FUTURE PLANS

A) ERCS TO CONTINUE FLUSHING OPERATIONS. EXPECTED TO BE COMPLETE BY COB TOMORROW.

B) ERCS TO ARRANGE TRUCKING FOR TUESDAY 2/19 SINCE MONDAY IS A HOLIDAY. ARRIVAL TO BE SCHEDULED FOR 2/20 AT THE GE FACILITY.

C) ERCS TO BEGIN STAGING OF TRASH AND JUNK ON SITE TO FACILITATE SOIL REMOVAL. OSC AUTHORIZED A 955 LOADER TO ARRIVE ON SITE TO AID IN JUNK REMOVAL AND EXCAVATION.

D) OSC, TAT, USCG/AST AND ERCS FINALIZING EXCAVATION PLANS AND ENGINEERING TECHNIQUE. TAT DEVELOPING CROSS SECTIONS TO DETERMINE DEPTH OF EXCAVATION BASED ON DATA PREVIOUSLY COLLECTED. HOT SPOTS (GREATER THAN 500 PPM) TO BE SEPERATED AND STAGED IN A SEPERATE SECURE STAGING CELL ON SITE WHICH WILL BE CONSTRUCTED WITH CLAY AND PLASTIC. HIGH WATER TABLE WILL CREATE DIFFICULTIES. OSC TO CONSULT WITH ERT BUT IS TENTAVELY CONSIDERING THE USE OF A CLARIFIER OR SEETLING PONDS AND WEIR TO ALLOW FOR REMOVAL OF SILTS AND

SEDIMENTS

PRIOR TO DISCHARGE. OSC TO CONSULT WITH REGIO, ERT AND STATE AS REGARDS

ANY POTENTIAL NEED TO TREAT WATER ENCOUNTERED TO REMOVE PCB. HOWEVER,

THIS WOULD BE PCB IN SOLUTION WHICH IS UNLIKELY AND AT LOW LEVELS. (LESS THAN 0.08 PPM.) WATER TREATMENT WOULD BE COSTLY. NO DRINKING WATER

USE IS KNOWN REGARDING STREAM. CLARIFIER SYSTEM IF PROPERLY USED MAY REMOVE ALL PCB. OSC TO FURTHER INVESTIGATE.

E) WATER LINE INSTALLATION TO CONTINUE.

F) OSC AWAITING ENFORCEMENT STATUS OF REAR PROPERTY. ENFORCEMENT TO BE ON SCENE (ROBIN AITKEM) TUESDAY 2/19. PLANS WILL INCLUDE WORK ON THIS PROPERTY UNTIL THIS FINDING IS MADE.

G) SITE TO BE SURVEYED (PROPERTY LINES) 2/19.

H) OSC INVITED TO ATTEND A TV INTERVIEW WITH CITIZENS COMMITTEE.

INTERVIEW APPEARS TO BE A DEBATE. OSC REFUSED DUE TO NEED FOR PRESENCE ON SITE. OSC PLANS TO UPDATE CITIZENS AND ANSWER CONCERNS AT PUBLIC MEETING WITH STATE HEALTH.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100368

EASYLINK 1083871A001 20FEB85 10:18/10:18 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.
POLREP 27

I) SITUATION: (1800 HRS., 2/17/85)

A) PERSONNEL ON SCENE:

EPA-1
USCG/AST-3
ERCS-12
TAT-2
ARBUCKLE WATER-1
DUNN ENGINEERING-3

B) ESTIMATED COSTS TO DATE: (COB 2/17/85)

	CEILING
EPA \$4748	\$13000
TAT \$11300	\$20000
USCG/AST \$9116	\$15000
ERCS \$122344	\$150000
TOTAL	
\$147508	

C) WEATHER: COLD, CLEAR, HIGH 38

D) A LOCAL NEARBY SITE WAS FOUND CONTAINING GOOD QUALITY CLAY. OSC HAS ELECTED TO UTILIZE THIS SOURCE AS A COST SAVING MEASURE. CLAY NEEDED FOR STAGING PADS AND STREAM DAMS.

E) PRESS INTEREST DEVELOPING. LOCAL EDUCATIONAL TV PLANS A HALF HOUR DOCUMENTARY ABOUT SITE. LOCAL PRESS RECEIVING REGULAR DAILY UPDATES. EX GOVERNOR ROCKEFELLER (NOW SENATOR) IN TOWN JUST PRIOR TO OUR ARRIVAL EXPRESSED INTEREST IN THIS SITE AND TOLD A MEETING IN OAK HILL THAT HE WAS IN FAVOR AND IN SUPPORT OF OUR ACTIONS.

II) ACTIONS TAKEN

A) ERCS MOVING SCRAP METAL OFF SITE TO A SECONDARY SECURE AREA.

B) OSC AUTHORIZED THE MOBE OF A 955 LOADER TO AID IN JUNK REMOVAL AND FOR SOIL EXCAVATION.

C) OSC LEARNED THIS DATE THAT SCA MODEL CITY, N.Y. HAS RECEIVED A NEW PERMIT TO OPERATE A PCB LANDFILL. OSC DIRECTED TAT TO VERIFY AND SECURE THEIR PER TON DISPOSAL PRICE.

D) ERCS CONTINUED TO FLUSH TRANSFORMERS.

E) ERCS BEGAN STAGING OF DRUMMED PCB MATERIAL IN PREPERATION FOR TRUCKING.

F) ERCS CONTINUED INSTALLATION OF WATER LINE. AGAIN SLOPPY CONDITIONS ENCOUNTERED. ANOTHER WATER LINE WAS BROKEN A TOOK APPROX TWO HOURS TO REPAIR

THIS WATER LINE WAS NOT KNOWN TO EXIST AT THAT LOCATIN. WATER CO. O/S.

OSC DIRECTED SUB TO USE A SPOTTER DIRECTLY IN HOLE IN AN ATTEMPT TO AVOID FURTHER INCIDENTS. OSC DIRECTED ALL CONTRACTOR PERSONNEL TO USE CAUTION AND BE ALERT FOR SIGNS OF UNDER GROUND LINES. IN

ADDITION

OSC REQUESTED GAS CO. BE O/S CONTINUOUSLY DURING EXCAVATION. OSC EXTREMELY

CONCERNED AS REGARDS UNDERGROUND LINES AND THEIR LACK OF MAPPING.

OSC

WILL PROVIDE LOCAL UTILITIES WITH LOCATION OF LINES ENCOUNTERED.

G) USCG/AST SITE SAFETY OFFICER CONTINUES DAILY A.M. MEETINGS WITH ALL PERSONNEL.

H) TAT PREPARED ACCURATE MAP OF SOIL EXCAVATION DEPTHS AND LOCATIONS.

III) FUTURE PLANS

A) ERCS TO CONTINUE STAGING OF SCRAP.

B) ERCS TO PALLETIZE AND STAGE IN PREP FOR TRANSPORT ALL TRANSFORMERS, CAPACITORS, PCB FLUIDS AND RINSE FLUIDS.

C) WATER LINE WORK TO CONTINUE. STREAM CROSSING PLANNED FOR 2/19. OPERATION WILL INCLUDE DAMMING AND PUMPING OF STREAM WHILE STREAM

BED

IS EXCAVATED.

D) ENFORCEMENT, ROBIN AITKEN TO BE O/S 2/19. MEETING WITH BERWIND LAND SCHEDULED FOR 2/20.

E) PUBLIC MEETING SCHEDULED FOR 2/20 AT 1900 HRS.

F) OSC COORDINATING PUMP TEST FOR THIS WEEK TO AID IN DETERMINATION OF HOW MUCH GROUND WATER WILL BE ENCOUNTERED DURING EXCAVATION.

G) OSC AWAITING CDC FINDINGS.

ROBERT E. CARON

ON-SCENE COORDINATOR

USEPA-III

PHILADELPHIA, PA.

CAROL, END OF MESSAGE. THANKS PAULA

MMH

100369

EPAOHM PHA

EASYLINK 1329105A001 21FEB85 12:03/12:05 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP #28 - CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

I. SITUATION (2/18/85 - 1800 HOURS)

A. PERSONNEL ON SCENE

EPA - 1	TAT - 3
USCG/AST - 3	DUNN - 5
ERCS - 14	

B. ESTIMATED COSTS TO DATA, COB 2/18/85:

EPA	\$ 5, 048	\$15,000 (CEILING)
TAT	\$12,200	\$20,000 (CEILING)
USCG/AST	\$10,099	\$15,000 (CEILING)
ERCS	\$138,242	\$150,000 (CEILING)
TOTAL	\$160,841	

C. WEATHER; COLD, CLEAR 37.

D. MATERIALS PREPARED FOR DISPOSAL:

23 DRUMS OF CAPACITORS
24 DRUMS OF TRANSFORMER FLUID
32 DRUMS OF TRANSFORMER FLUSH
29 TRANSFORMERS

II. ACTIONS TAKEN

A. ERCS STAGING OF NON-PCB TRANSFORMERS OFF-SITE.

B. ERCS STAGING DRUMS OF TRANSFORMER FLUIDS ALONG FENCE IN

PREPARATION

OF TRANSPORTATION.

G. ERCS COMPLETED FLUSHING OF ALL PCB TRANSFORMERS.

D. ERCS COMPLETED OVERPACKING OF CAPACITORS.

E. ERCS CONTINUES INSTALLATION OF WATER MAIN.

F. ERCS ASSEMBLING 12" PUMP TO BE USED IN STREAM DIVERSION WHILE
CROSSING STREAM WITH WATER LINE.

III. FUTURE PLANS

A. DRUMS AND TRANSFORMERS TO BE TRANSPORTED TO GE IN PHILADELPHIA
TOMORROW 2/19/85. ALL TRUCKS WILL BE MANIFESTED AND INSPECTED BY AST.

B. ERCS TO REROUTE WATER LINE AT NORTHERN SIDE OF SITE TOMORROW.

A

12" PUMP WILL BE USED TO DIVERT FLOOD.

C. ERCS TO PREPARE AND TRANSPORT TRANSFORMERS TOMORROW.

D. ROBIN AIKEN (ENFORCEMENT) TO BE ON-SCENE TOMORROW.

E. PUBLIC ME NG TO BE HELD 2/20/85.

ROBERT E. CARON, OSC

EPA - REGION III - PHILADELPHIA, PA

END OF MESSAGE. THANKS, PAULA

100370

POLREP #29 - CERCLA Immediate Removal
Shaffer Equipment Site
Minden, WV

I. SITUATION (2/19/85 - 1900 hours)

- A. Personnel on-scene: EPA-1, USCG/AST-3, ERCS-13, TAT-3, Dunn-5
B. Estimated costs to date, COB 2/19/85:

	COST	CEILING
EPA	\$ 5,340	\$ 15,000
TAT	13,100	20,000
USCG/AST	10,925	20,000
ERCS	181,605	600,000

- C. Weather: cold, clear, high 38.

- D. Materials removed this date
23 drums of capacitors
24 drums of transformer fluid
32 drums of transformer flush
26 transformers

II. ACTIONS TAKEN

A. ERCS assembled 12" pump for diversion of stream. A secondary pump used to assist in stream diversion. Due to heavy meltdown the stream flow slightly exceeded pump rate. The remaining flow was physically diverted around the water line. ERCS completed installing line access northern of Arbuckle Creek this date.

B. ERCS loaded drums of capacitors, transformer fluid and flush this date into a permitted hazardous waste hauler. The OSC received a provisional ID number and properly manifested trucks. Drums transported to GE in Philadelphia.

C. ERCS wrapped and loaded transformers this date. Transformers transported to GE in Philadelphia.

D. ERCS mobilized clarifier to be used in sediment control during excavation

E. Robin Aitken, EPA Enforcement on scene to receive update for meeting with Berwind Land Co (2nd property owner) scheduled. Deeds to properties secured. F.

OSC consulted with ERS Chief (T. Massey), as regards potential flooding. Stream floods commonly occur 2-3 times per year. OSC concerned that flooding events could spread considerable contamination into residential areas.

G. TAT preparing site maps of pipes, PCB contamination and excavation depths.

H. TAT preparing disposal option report.

III. FUTURE PLANS

A. ERCS to move pumps to southern side of creek in preparation of crossing stream with water line.

B. ERCS to tie-in to existing line tomorrow 2/19/85.

C. ERCS to continue moving of scrap metal off-site tomorrow.

D. ERCS, TAT to perform pump test tomorrow to test recharge of excavated area.

E. Surveyor to be on-scene to survey site.

F. Public meeting to be held tomorrow. EPA OPA to be on-scene.

G. ERT, Bob Cibulskis to be on-scene tomorrow 2/19 to demonstrate usage of field computer system.

Robert E. Caron, OSC
USEPA - Region III - Philadelphia, PA

100371

WU INFOMASTER 4-003648S056-001 02/25/85
ICS IPMMTZZ CSP
3044699556 DGM TDMT MINDEN WV 153 02-25 0833A EST
TNX 7106700716 EPAQHM PHA
EMERGENCY RESPONSE
4218 EPA PHA

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN WEST VIRGINIA
FEBRUARY 24 1985
SPECIAL BULLETIN C

DESPITE BEST EFFORTS TO PERFORM EXCAVATION AT THE SHAFFER EQUIPMENT SITE, WET MUDDY CONDITIONS HAVE CAUSED THE EQUIPMENT TO BE UNABLE TO PROPERLY EXCAVATE AND SEGREGATE CONTAMINATED SOILS VERSUS NON CONTAMINATED SOILS. HEAVY EQUIPMENT IS RESTRICTED BY LACK OF WORK SPACE DUE TO THE CURRENT UNRESOLVED LAND OWNERSHIP PROBLEM AND CANNOT PROPERLY REMOVE CONTAMINATED SOILS WITH TRACKING INTO UNCONTAMINATED SOILS. OSC IS CONCERNED THAT PROCEEDING IN THIS MATTER WILL CAUSE AN UNFEASIBLE QUANTITY OF CLEAN SOIL TO BE CONTAMINATED IN THIS CURRENT PROCESS. OSC TO STOP ALL EXCAVATION AND STAGING ACTIVITIES AT THIS TIME AND TO MAINTAIN THE PROJECT THROUGH RUN OFF DIVERSION AND CONTROL. OSC TO PLACE PROJECT ON STAND BY ONCE MAINTAINENCE ACTIVVIES ARE ACHIEVED. AWAITING ENFORCEMENTS DECISION ON BERWIND LAND COMPANY SITUATION.

SIGNED THE ROBERT E CARON
ON SCENE COORDINATOR
US EPA-3
PHILADELPHIA PA
ROBERT E CARON

0834 EST
^

100372

EASYLINK 1581035A001 22FEB85 14:43/14:49 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

POLREP #30 - CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

I. SITUATION (2/20/85 - 2030 HOURS)

A. PERSONNEL ON-SCENE

EPA - 4	TAT - 3
USCG/AST - 3	DUNN - 5
ERCS - 13	ARBUCKLE - 2
WV - 2	FAYETTE CO - 1

B. ESTIMATED COST TO DATE, COB 2/20/85:

EPA	\$ 5,898	\$15,000 (CEILING)
USCG/AST	\$11,763	\$20,000 (CEILING)
TAT	\$14,000	\$20,000 (CEILING)
ERCS	\$172,523	\$600,000 (CEILING)
TOTAL	\$204,185	\$800,000 (CEILING)

C. WEATHER: SUNNY, MILD HIGH 45.

D. PUBLIC MEETING HELD 1900 HOURS THIS DATE. CITIZENS GROUP (PEOPLE JUSTICE COMMITTEE) IN ATTENDANCE, OSC, DNR AND STATE HEALTH PROVIDED UPDATE ON 7 SITUATION AND ANSWERED HEALTH RELATED QUESTIONS. OSC FEELS THAT CITIZEN'S ARE PLEASED WITH EPAS OPERATION, HOWEVER, THEY ARE STILL DEMANDING HEALTH STUDIES.

E. OSC EXTREMELY CONCERNED OVER RESPONSE RECEIVED FROM GE DISPOSAL FACILITY PCB DRUMS AND TRANSFORMER SHELLS WERE TRANSPORTED AND RECEIVED THERE THIS DATE. DESPITE VIGOROUS FIELD INSPECTION OF LOADS PRIOR TO TRANSPORT, GE NOTED SEVERAL PROBLEMS. ONE TRANSFORMER TIPPED OVER DURING TRANSPORT, CAUSING A SMALL LEAK ON THE TRUCK BED. OSC FEELS THAT GE OVER REACTED TO THE SITUATION AS A DIRECT RESULT OF RECENT TSCA INSPECTIONS. (FACILITY COORDINATOR VERIFIED THIS) AS A RESULT, GE REPORTED INCIDENT AS A SPILL TO THE NRC. THIS INCIDENT WILL ADDITIONAL COST TO THIS DISPOSAL PHASE YET TO BE DETERMINED.

II. ACTIONS TAKEN

A. ERCS INSTALLED NORTHERN CONNECTION OF WATER LINE TO THE EXISTING LINE THIS DATE. THE WATER SUPPLY WAS TURNED OFF BRIEFLY DURING THE CONNECTION. ALL AFFECTED RESIDENTS WERE NOTIFIED PRIOR TO THE BRIEF SHUT DOWN.

B. ERCS CONTINUES TO MOVE SCRAP METAL OF NON-PCB TRANSFORMERS OFF SITE THIS DATE.

C. ERCS DISMANTLED PUMP FOR STREAM DIVERSION AND MOVED EQUIPMENT TO SOUTHERN END OF SITE FOR SECOND STREAM CROSSING.

D. OSC, TAT AND ERCS FINALIZED EXCAVATION, STAGING PLANS.

E. OSC PROVIDED BRIEFING TO REPRESENTATIVES FROM BERWIND LAND CO. (SECOND PROPERTY OWNER) ENFORCEMENT (ROBIN AITKEN) PRESENT. EXACT PROPERTY LINES ARE AT ISSUE. OSC APPROVED USE OF LOCAL SURVEYOR TO ATTEMPT TO ANSWER THESE QUESTIONS.

HOWEVER, OSC WILL REQUIRE FINALIZATION OF THIS ISSUE BY MARCH 1, 1985, WHEN WORK SHOULD COMMENCE ON THE BERWIN PROPERTY.

F. PUBLIC MEETING HELD 1900 HOURS, OSC, EPA OPA, DNR, STATE HEALTH AND CITY HEALTH AT MINDEN ELEMENTRY SCHOOL. APPROXIMATELY 30 RESIDENTS WERE IN ATTENDANCE. THE OSC EXPLAINED THE SITE STATUS AND FIELDLED QUESTIONS FROM THE AUDIENCE.

100373

EASYLINK 1588593A001 22FEB85 15:08/15:09 EST
FROM: TNX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

PAGEA 2 OF 2

POLREP 30 - SHAFFER EQUIPMENT SITE

II. ACTIONS TAKEN

- F. ERT, BOB CIBOLSKIS ON SCENE FOR THE FIRST OFFICIAL TEST OF THE FIELD MICRO COMPUTE SYSTEM. ERT DEMONSTRATING THE APPLICATIONS TO FIELD WORK. OSC EXTREMELY IMPRESSED. SYSTEM WILL EXPEDITE, ORGANIZE AND SIMPLYFY ON SITE COST ACCOUNTING. OSC PROVIDED ERT WITH RECOMMENDATIONS FOR MORE IMPROVEMENTS, HOWEVER, COST ACCOUNTING SYSTEM IS FUNCTIONAL NOW. COMPUTER WILL ALSO ALLOW FOR ON SITE DATA MANAGEMENT, MODELING AND DATA BASE ACCESS AS WELL AS E-MAIL CAPABILITY. OSC TO REQUEST SYSTEM ON SCENE, HOWEVER ACCESS TO EQUIPMENT IS NOT EASY. OSC REQUESTS ASSISTANCE TO SECURE ON SITE COMPUTER SYSTEM.

III. FUTURE PLANS

- A. ERCS TO CONTINUE INSTALLATION OF WATER LINE. WATER LINE TO CROSS SOUTHERN END OF STREAM.
- B. ERCS TO PREPARE STAGING PAD FOR CONTAMINATED SOILS.
- C. ERCS TO PERFORM PUMP TEST TOMORROW TO CHECK FOR RECHARGE OF GROUND WATER.
- D. ERCS TO COMPLETE MOVING OF SCRAP OFF SITE.
- E. ROBIN AITKEN, ENFORCEMENT TO INFORM OSC OF ENFORCEMENT STATUS OF BERWIND LAND CORP PORTION OF SITE BY COB 2/22/85.
- F. SURVEYOR TO BE ON-SCENE FOR PLOTTING OF PROPERTY LINES.
- G. OSC TO SEND SOILS TO ERT, EDISON TO BEGIN PILOT STUDIES FOR DISPOSAL ALTERNATIVES.
- H. TAT FINALIZING DISPOSAL OPTIONS/ALTERNATIVES REPORT.

ROBERT E. CARON, OSC
EPA - REGION III - PHILADELPHIA, PA.
MMMM

100374

FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

PPH REF#31- SHAFFER EQUIPMENT SITE
CERCLA IMMEDIATE REMOVAL
MINDEN, WV

I. SITUATION (2/21/85 -1800 HRS)

A. PERSONNEL ON SCENE;

EPA-4	USCG/AST-3
TAT-6	ARBUCKLE-1
DUNN-5	ERCS-13

B. ESTIMATED COST TO DATE , COB 2/21/85

EPA	\$6,723	\$15,000 (CEILING)
TAT	\$14,900	\$20,000 (CEILING)
USCG/AST	\$12,544	\$20,000 (CEILING)
ERCS	\$187,451	\$600,000 (CEILING)
TOTAL	\$221,618	

C. WEATHER, SUNNY, WARM HIGH 50.

D. PRESS INTEREST REMAINS HIGH.

E. BERWIND LAND CO. ON SCENE FOR FURTHER TECHNICAL INFORMATION

II. ACTIONS TAKEN

A. ERCS INSTALLED WATER LINE UP TO ARBUCKLE CREEK IN PREPPARATION OF CROSSING STREAM.

B. CABOT GAS CO. ON SCENE TO LOCATE GAS LINES PRIOR TO DIGGING TO PREVENT DAMAGE TO LINES.

C. PUMPS RELOCATED AND SET UP AT THE STREAM CROSSING WHERE THE WATER LINE CROSSES ARBUCKLE CREEK.

D. BERWIND LAND CO., OSC, AND EPA ENFORCEMENT DISCUSSED PROPERTY OWNERSHIP, SURVEY OF THE PROPERT INVOLVED, LIMITED EXTENT OF LIABILITY, RESPONSIBILITY, EASEMENTS, AND TECHNICAL ASPECTS OF REMOVAL CRITERIA.

E. SOIL SAMPLES TAKEN AND SENT TO ERT FOR TESTING INOVATIVE TECHNOLOGY ON A BENCH SCALE BASIS.

F. REMAINING 3 TRANSFORMERS PROPERLY WRAPPED, BANDED, PALLETIZED AND STAGED IN PREPARATION FOR SHIPMENT.

G. PERMIT REQUEST SENT TO WEST VIRGINIA DEPT OF HEALTH, JAMES HODGES TO INSTALL AND RELOCATE THE WATER LINE AROUND THE SITE.

H. HOT SPOTS ON THE SITE HAVE BEEN TRACKED THROUGHOUT THE SITE WHILE JUNK STAGING PILE ACTIVITIES WERE ONGOING. IT IS CURRENTLY IMPOSSIBLE TO SEGREGATE GREATER THAN 50 PPM CONCENTRATIONS IN SOILS. OSC DECIDES TO STAGE MATERIALS IN ONE CELL ON THE SHAFFER PROPERTY WHILE AWAITING THE DECISION TO BE MADE IN REFERENCE TO THE TRUE PROPERTY LINE, AND THE DECISION TO BE MADE TO BERWIND PORTION OF SITE.

I. SOURCE OF BACKFILL MATERIAL LOCATED. MINDEN RED DOG SALES INC LOCATED ACROSS THE STREET FROM THE SITE HAS AGREED TO DELIVER RED DOG MATERIAL AT \$2.50 A TON DELIVERED PRICE.

J. DISPOSAL ALTERNATIVES/OPTIONS REPORT COMPLETED BY TAT. OSC TO REVIEW AND CALL A MEETING WITH ALL INVOLVED AGENCIES TO DISCUSS BEST CURRENT OPTION AVAILABLE TO DEAL WITH THE CONTAMINATED SOILS ON SITE.

III. FUTURE PLANS

A. ERCS TO COMPLETE FINAL STREAM CROSSING AND COMPLETE WATER LINE HOOK UP 2/23/85.

B. SCRAP PILE SEGREGATION TO BE COMPLETED 2/22/85.

C. EXCAVATION ACTIVITIES AND HOLDING CELL CONSTRUCTION TO COMMENCE 2/22/85. CELL TO BE DESIGNED TO ALLOW RUN-OFF TO ACCUMULATE IN A TEMPORARY HOLDING POND AS A PRIMARY SETTLEMENT TECHNIQUE PRIOR TO SENDING THE LIQUIDS THROUGH THE CLARIFIER.

D. OSC AWAITING ENFORCEMENT STATUS OF BERWIND LAND TO DECISION.

E. OSC TO CONVERSE WITH STATE, LOCAL AND FEDERAL AGENCIES IN REFERENCE TO CURRENT VIABLE DISPOSAL TECHNIQUES/OPTIONS.

ROBERT E. CARON, OSC
EPA - REGION III - PHILADELPHIA. PA

100375

SPILLSEPA WSH

EASYLINK 1874787A001 25FEB85 16:34/16:52 EST
FROM: TWX 9103335719 EPADHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV
POLREP 32

I. SITUATION (1830 HRS 2/22/85)

A. PERSONNEL ON-SCENE:

EPA-3
TAT-6
USCG/AST-3
ARBUCKLE WATER-1
ERCS-13

B. ESTIMATED COST TO DATE (COB 2/22/85)

EPA-	\$7273
TAT	\$15800
USCG/AST	\$13360
ERCS	\$198776
TOTAL	\$235208

C. MEDIA ON SCENE TO INTERVIEW OSC AS TO SITUATION.

D. WEATHER: WARM, CLEAR, HIGH 65.

E. SITE CONDITIONS EXTREMELY SLOPPY DUE TO SUDDEN THAW. OSC HAVING STREAM OBSERVED HOURLY, TO PROVIDE ADVANCE WARNING OF SUDDEN FLOOD.

F. CITIZENS STILL EXPRESS CONCERN OVER HEALTH AS REGARDS LOW LEVEL OF PCB FOUND IN THE RESIDENTIAL AREA. CITIZENS GROUP HAS CONTACTED A BRIEFING OF THE SITUATION TO A STAFF MEMBER. CDC HAS BEEN CONTACTED BY CITIZENS GROUP, STATE HEALTH AND COUNTY HEALTH. COUNTY HEALTH HAS MADE AN OFFICAL REQUEST FOR HEALTH STUDY TO THE STATE HEALTH.

II. ACTIONS TAKEN

A. ERCS CROSSED STREAM AT THE SOUTHERN END THIS DATE. STREAM FLOWS WERE UP DUE TO SUDDEN THAW REQUIRING BOTH STREAM PUMPING AND DIVERSION TO EFFECT CROSSING.

B. 955 BACKDRAGGING SITE TO REMOVE TOP LAYER OF HIGHLY CONTAMINATED SOILS. MUCH MUD AND WATER ENCOUNTERED. OSC HAS ELECTED TO REMOVE SOILS DOWN TO NATURAL CLAY BUT NO MORE THAN TWO FEET. EQUIPMENT TRACKING HAS PENETRATED AT LEAST THIS DEEP DUE TO MUD. EXCAVATION HAS ENCOUNTERED NATURAL CLAY BUT LAYER IS DISCONTINUOUS AND ROCKY.

C. ERCS BEGAN CLEARING AREA ON SITE FOR PREP OF STAGING AREA. THE STAGING PAD WILL BE CONSTRUCTED AS FOLLOWS: EXCAVATE DOWN TO NATURAL CLAY. REINFORCE WITH NATURAL CLAY FOUND OFF SITE. RED DOG ROCK BASE AND SAND. THIS WILL ACT AS A FRENCH DRAIN AND COLLECT WATER BELOW THE PLASTIC. OSC CONSIDERING PURCHASE OF LANDFILL LINER MATERIAL AS A COVER. ALL COLLECTED WATERS WILL BE INTERCEPTED BY A SUMP AND PUMPED THROUGH THE CLARIFIER.

III. FUTURE PLANS

A. ERCS TO CONTINUE WORK ON STAGING PAD. WATER MAIN TIE IN 2/24/85

B. SOIL EXCAVATION TO CONTINUE. BACKFILL WILL BE RED DOG FOUND LOCALLY MATERIAL COST AT \$2.59 /TON.

C. ERCS TO REPAIR SITE ACCESS ROAD WHICH DEGRADES DUE TO RAIN AND SNOW MELT.

D. OSC DIRECTED TAT TO COLLECT ADDITIONAL RESIDENTIAL SOIL SAMPLES IN RESPONSE TO CITIZENS CONCERNS AND TO ASSURE THOROUGH ASSESSMENT.

E.

OSC HAS AGREED TO DELAY ANY WORK ON PROPERTY SINCE EXCAVATION WORK MUST ALSO BE ACCOMPLISHED ON THE SHAFFER SITE. HOWEVER GOOD USE OF EQUIPMENT AND EXPERIENCED OPERATIONS HAVE ENABLED A MUCH FASTER EXCAVATION THAN PREVIOUSLY ESTIMATED. OSC ESTIMATED AT LEAST 3 DAYS AHEAD OF SCHEDULE.

ROBERT E. CARON
ON-SCENE COORDINATOR
US EPA REGION III
PHILA, PA

100376

FASV LINK 1818365A001 25FEB85 13:30/13:30 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700714

CCCC & IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN W.VA.
POLREP 33

I) SITUATION: (1600 HRS., 2/23/85)

A) PERSONNEL ON SCENE:

EPA-1
TAT-2
USCG/AST-3
ARBUCKLE WATER-1
ERCS-12
DUNN ENGINEERING-5

B) ESTIMATED COSTS TO DATE: (COB 2/23/85)

		CEILING
EPA	\$7573	\$15000
TAT	\$16400	\$20000
USCG/AST	\$13823	\$20000
ERCS	\$209723	\$650000
TOTALS	\$247519	\$800000

C) WEATHER: SUNNY, WARM, HIGH 73.

D) DISPOSAL OPTIONS ANALYSIS/FEASIBILITY COMPLETE. OSC TO PRESENT FINDINGS TO ERT, WVDNR AND REGION. PRELIMINARY FINDINGS ARE THAT ONLY ON SITE INCINERATION AND SOLVENT EXTRACTION ARE LIKELY CANDIDATES.

II) ACTIONS TAKEN

- A) ERCS CONTINUED PREP OF STAGING CELL.
- B) ERCS REBUILDING ROAD USING LOCAL RED DOG.
- C) ERCS CONTINUED EXCAVATION OF CONTAMINATED SOILS.
- D) TAT DISTRIBUTED COPIES OF ANALYTICAL TO RESIDENTS WHOSE YARDS HAD BEEN SAMPLED.
- E) OSC AND TAT COLLECTED ADDITIONAL SAMPLES IN THE RESIDENTIAL AREA TO RECONFIRM RESULTS AND FURTHER ESTIMATED THE FLOOD AT
- F) ERCS BEGAN SET UP OF CLARIFIER SYSTEM.

III) FUTURE PLANS

- A) ERCS TO COMPLETE CONSTRUCTION OF STAGING CELL AND DECON PAD.
- B) ERCS TO SETUP HOLDING PONDS TO AID IN OIL/WATER SEPERATION P CLARIFICATION.
- C) TAT TO COLLECT ADDITIONAL STREAM SAMPLES.
- D) [REDACTED]

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMMM

100377

34

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.

I) SITUATION: (1700 HRS., 3/5/85)

A) ESTIMATED COSTS TO DATE: (COB 3/2/85)

		CEILING
ERCS	\$440859	\$650000
TAT	\$21800	\$30000
USCG/AST	\$18300	\$25000
EPA	\$9073	\$15000
TOTALS	\$490232	\$720000

B) SECOND PROPERTY OWNER, BERWIND LAND CO., VISITED SITE TO SECURE INFO IN ORDER TO MAKE DECISION AS TO POSSIBLE VOLUNTARY COMPLIANCE. ATTORNEYS FROM BERWIND CONSULTED WITH REGIONAL COUNSEL. BERWIND DECISION IS TO ALLOW EPA TO PERFORM NECESSARY CLEANUP AS LONG AS THE FOLLOWING CONDITIONS CAN BE MET:

- BERWIND PROPERTY TO BE TREATED SEPERATELY AS A ZONE
- BERWIND ALLOWED TO ESTIMATE EXCAVATED SOIL VOLUME PRIOR TO CONSOLIDATION
- BERWIND TO BE PROVIDED WITH ALL SITE MAPS, SURVEYS AND DATA.

THE OSC [REDACTED], HAS ELECTED TO PROVIDE BERWIND WITH ALL ABOVE AND HAS DETERMINED THAT THE CONDITIONS ABOVE WILL NOT HINDER OR OTHERWISE EFFECT CLEANUP.

1) SITE OFFICIAL SURVEY HAS INDICATED THAT CHESSIE SYSTEM RAILROAD OWNS A PORTION OF THE CONTAMINATED PROPERTY. OSC ISSUED VERBAL NOTICE TO CHESSIE. ESTIMATED VOLUME IN CHESSIE AREA LESS THAN 50 YARDS. CHESSIE ELECTS TO ALLOW EPA TO PERFORM CLEANUP.

D) REMAINING EXCAVATION AND STAGING WILL CONTINUE UNHINDERED.

II) ACTIONS TAKEN

A) APPROX. 315 CUBIC YARDS EXCAVATED FROM BERWIND PROPERTY.

BERWIND INSPECTED PILE AND AGREES WITH EPA VOLUME.

B) OSC DIRECTED ERCS TO CONSTRUCT A STAGING AREA AS FOLLOWS:

- 12 INCHES OF CLAY
- 4 INCHES OF SAND
- 3 LAYERS OF VISQUEEN

SOILS TO BE STAGED IN CELL AND COVERED WITH GEOTEXTILE FABRIC TO MAINTAIN PILE AND PREVENT RUNOFF. CELL TO BE DIKED AND DRAINED THRU A ROCK FILTER.

C) ALL SITE WATERS COLLECTED DURING EXCAVATION ARE TO BE TREATED VIA CLARIFICATION AND FLOCCULATION TO REMOVE SOLIDS. PCB IN SOLUTION IS LESS THAN 0.08 PPM. ESTIMATED 200000 GALLONS TO BE TREATED.

D) OSC DIRECTED ERCS TO EXPEDITE ALL EXCAVATION, BACKFILL, STAGING ASAP. ESTIMATED 7 DAYS TO COMPLETE.

III) FUTURE PLANS

A) EXCAVATION TO BE COMPLETE ASAP.

B) OSC AND ERT, JOE LAFORNARA COMPLETING FEASIBILITY OF EITHER INCINERATION OR SOLVENT EXTRACTION. SOILS PROVIDED TO BOTH ERT AND OH. FOR PILOT STUDY.

C) OSC INTENDS TO DEMOB SITE WHILE DEVELOPING OPTIONS.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

230:78

DISCONNECTED 03-Mar-85 09:12 05

AR100378

562

POLREP 34
35

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.

I) SITUATION: (1400 HRS., 3/5/85)

- A) OSC AND ERT PURSUING DISPOSAL ALTERNATIVES. AT THIS TIME IT APPEARS THAT SOLVENT EXTRACTION IS THE MOST ATTRACTIVE OPTION BOTH TECHNICALLY AND MONETARILY.
- B) OSC HAS DIRECTED BOTH ERT AND ERCS TO BEGIN ANALYSIS AND PILOT STUDIES USING CONTAMINATED SOILS FROM THE SITE. SOILS HAVE BEEN PROVIDED TO ERT WITHOUT INCIDENT TO PERFORM FEASIBILITY OF PROPOSED EXTRACTION METHOD USING FREON. HOWEVER, OSC HAS HAD PROBLEMS IN SECURING PERMISSION TO SEND APPROX. 1000 LBS TO ERCS LAB. TSCA REGS. REQUIRE A PERMIT TO PERFORM R&D.
- C) OSC REQUESTED HQ ASSISTANCE IN SECURING NECESSARY PERMITS. HQ HAS RESPONDED TO THIS VERBAL REQUEST AND HAS AIDED BY STREAMLINING THE PERMIT PROCEDURES. OSC EXTREMELY PLEASED WITH HQ RESPONSE. (STEVE HEIRE, CONRAD KLEVINOW)

II) ACTIONS TAKEN

- A) GERRET FLOOD, TSCA HQ, CONTACTED OSC TO INFORM OF PERMIT REQUIREMENTS. HQ TO PROVIDE NECESSARY FORMS AND REGULATIONS ASAP.
- B) OSC TO SEND FORMS TO ERCS AND HAS DIRECTED ERCS TO COMPLETE ALL INFO AND FORWARD TO HQ, CONRAD KLEVINOW, ASAP.

III) FUTURE PLANS

- A) OSC TO PROVIDE SOILS TO ERCS UPON RECEIPT OF PERMIT.
- B) OSC TO REQUEST WRITTEN AGREEMENT FROM ERCS STATING THAT ALL PCB CONTAMINATED MATERIAL GENERATED FROM PILOT STUDY WILL BE PROPERLY DISPOSED.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100379

EASYLINK 3987835A001 9MAR85 14:53/14:54 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.**

SPECIAL BULLETIN

1) SITUATION (1700 HRS., 3/8/85)

PRELIMINARY OFF SITE MIGRATION ANALYSIS PERFORMED IN JANUARY OF 85 INDICATED LOW LEVELS OF PCB IN RESIDENTIAL YARDS. SPECIAL BULLETIN A INDICATED DISTANCES OF 1/4 MILE AND 1 MILE DOWNSTREAM SAMPLES AS CONTAMINATED. VERIFICATION SAMPLING VERIFIES THIS RESULT. THESE VERIFICATION SAMPLES WERE REQUESTED BY BOTH THE COUNTY AND STATE HEALTH DEPTS. SAMPLING PERFORMED 2/23/85. SEVERAL OTHER DOWNSTREAM AREAS WERE ALSO SAMPLED TO FURTHER IDENTIFY THE EFFECTED AREA. VERIFICATION SAMPLES:

	JAN.	FEB.
LOUIS YARD COMPOSITE	15PPM	<1PPM
LOUIS STREAM BANK	15PPM	7PPM
DOWNSTREAM RESIDENTIAL SAMPLES:		
DICKINSON 1/3 MILE DOWNSTREAM		<1PPM
CHAFFIN 1/3 MILE DOWNSTREAM		<1PPM
LOUIS 0.6 MILE DOWNSTREAM		7PPM
GARDEN ALONG CREEK 0.9 MILE		3PPM
HOUSE #28 1 MILE DOWNSTREAM		1PPM
STREAM SEDIMENT SAMPLES:		
1/4 MILE DOWNSTREAM		1PPM
1/2 MILE		6PPM

THE OAK HILL WATER SUPPLY WAS SAMPLED AS A PRECAUTION AS RECOMMENDED BY STATE HEALTH SINCE THEIR WATER COMES FROM THE MINDEN MINES, RESULTS WERE PCB NON-DETECTED.

A SAMPLE WAS COLLECTED FROM THE TAP OF A NEARBY MINDEN RESIDENT.

RESULTS

WERE PCB NON-DETECTED.

ON-SITE CONTAINMENT AND TREATMENT IS ELIMINATING THE SEDIMENT CARRYOUT AND OIL SHEEN WHICH APPEARS TO HAVE BEEN RESPONSIBLE FOR OFF SITE MIGRATION. ALL TREATED WATER IS CLEAR AND PH ADJUSTED TO 7 AND

ANALYSIS

OF DISCHARGE WATER SHOWS NO PCB PRESENT.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMMM

100380

EASYLINK 3988966A001 9MAR85 15:34/15:34 EST
FROM: TWX 9103335719 EPAOHM WV
EPA ACCOUNTING OPERATIONS
TO: 7106700716

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.
POLREP 36**

**I) SITUATION: (1400 HRS., 3/9/85)
ESTIMATED COSTS TO DATE: (COB 3/8/85)**

		CEILING
ERCS	\$510630	\$650000
USCG/AST	\$21894	\$25000
TAT	\$24200	\$30000
EPA	\$9073	\$15000

TOTALS	\$565797	\$720000
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- B) REROUTE OF WATER LINE COMPLETE. ALL ROAD SURFACES RESTORED.
C) MOBILE CLARIFIER/FLOCCULATION SYSTEM IN PLACE AND TREATING EXCAVATION WATERS. PCB DISCHARGE IS NON DETECTABLE.
D) BERWIND PROPERTY EXCAVATION YIELDED ESTIMATED 500 YARDS OF CONTAMINATED SOIL.
E) OSC PLANS TO REVIEW INVOICING FROM G.E. DISPOSAL FACILITY PRIOR TO AUTHORIZING SERVICES AS PERFORMED AND DIRECTED BY THE OSC. VERBAL ESTIMATES FROM G.E. APPEAR TO BE EXHORBITANTLY HIGH.
F) TAT HAS COMPLETED ALL OFF SITE SAMPLING ACTIVITY. ONE TAT TO DEMOB.
G) ALL UNNECESSARY EQUIPMENT (PUMPS ETC.) DEMOBED.
H) HEAVY RAINS HAMPERING SITE ACTIVITIES, 1/2 DAY DOWNTIME DUE TO WX.
- II) ACTIONS TAKEN**
A) CONSTRUCTION OF STAGING CELL 90% COMPLETE.
B) APPROX. 2000 CUBIC YARDS OF CONTAMINATED SOILS EXCAVATED TO DATE.
C) OSC DIRECTED ERCS TO BEGIN BACKFILL OF AREAS EXCAVATED AND SAMPLED WHICH SHOW PCB AS LESS THAN 50PPM.
D) OSC RECEIVED APPROVAL FOR DISPOSAL OF REMAINING 4 TRANSFORMER SHELLS AND FLUSH OILS. FACILITIES ARE CECOS, OHIO AND ROLLINS INCINERATOR, NEW JERSEY.
OSC TO VERIFY COMPLIANCE STATUS OF FACILITY PRIOR TO SHIPMENT.
E) TAT ATTENDED A MEETING WITH W.VA. STATE AND COUNTY HEALTH OFFICIALS INTENDED TO PROVIDE THEM WITH ALL INFO AND ANSWER ANY TECHNICAL QUESTIONS.
F) OSC AND ERCS COMPLETING NECESSARY INFO. FOR SECURING A R&D PERMIT TO PILOT THE PROPOSED FREON EXTRACTION PROCESS.
- III) FUTURE PLANS**
A) OSC TO DEMOB SITE AFTER COMPLETION OF ALL NECESSARY EXCAVATION, STAGING AND BACKFILLING. ALL OPERATIONS EXPECTED TO BE COMPLETE BY 3/15 /85 WX PERMITTING.
B) OSC AWAITING R&D PERMIT, PILOT PROCESS TO BE INITIATED ASAP.
C) OSC TO MEET WITH D.H. AND DUPONT REGARDING MOBILE EXTRACTION SYSTEM DESIGN.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

MMMM

100381

TLX II 7108229269
CONNECTED 14-Mar-85 09:22 44

SPILLSEPA WSH
POLREP 37

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.

- I) SITUATION: (1200 HRS., 3/11/85)
- A) HEAVY RAINS ARE HAMPERING FINAL STAGES OF SOIL EXCAVATION. STAGING CELL PREVIOUSLY CONSTRUCTED IS IN DANGER OF BEING DAMAGED DUE TO EXTREMELY MUDDY CONDITIONS AND EQUIPMENT TRACKING.
 - B) OSC ESTIMATES THAT APPROX. 5 DAYS WILL BE NECESSARY TO COMPLETE EXCAVATION AND STAGING OF ALL CONTAMINATED SOILS.
 - C) EXCAVATION WATERS CONTINUE TO BE TREATED WITH CLARIFIER AND FLOCCULATION. APPROX. 200,000 GALLONS TREATED AND DISCHARGED TO DATE.
 - D) EXTENDED WEATHER FORECAST IS FOR RAINY CONDITIONS THRUOUT WEEK.
 - E) OSC CONTINUES TO INVESTIGATE EXTRACTION TECHNOLOGIES FOR PREP OF R&D APPLICATION. APPLICATION TO BE IN HQ BY 3/18. OSC TO MEET WITH O.H.M. AND DUPONT REGARDING TECHNOLOGY.
- II) ACTIONS TAKEN
- A) OSC HAS ELECTED TO CURTAIL SITE OPERATIONS UNTIL RAINS CEASE. RAIN/MUD MAKES EXCAVATION IMPOSSIBLE SINCE FURTHER CONTAMINATION RESULTS. WATER COLLECTION/TREATMENT TO CONTINUE WITH SKELETON CREW. ALL OTHERS AND MOST EQUIPMENT TO DEMOB. FOR AT LEAST ONE WEEK UNTIL SITE CONDITIONS IMPROVE.
- III) FUTURE PLANS
- A) EXCAVATION TO BE COMPLETED WHEN WX PERMITS.
 - B) OSC,ERT TO MEET WITH O.H.M. AND DUPONT WEEK OF 3/18.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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SPILLSEPA WSH
POLREP 38

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.

- I) SITUATION: (1700 HRS., 3/15/85)
- A) SITE REMOB THIS DATE FOR COMPLETION OF EXCAVATION/STAGING PHASE.
 - B) USCG/AST AND TAT TO MONITOR SITE OPERATIONS.
 - C) OSC UNABLE TO RESPOND ON SITE DUE TO OTHER REGIONAL COMMITMENTS ASSOCIATED WITH FOIA REQUEST FROM ABC NEWS.
 - D) OSC EXPRESSED CONCERNS TO ERS CHIEF, TOM MASSEY, AS TO FOIA AND IT'S PRIORITY OVER SITE ACTIVITIES. ERS CHIEF INFORMED OSC THAT FOIA IS A HIGHER PRIORITY AT THIS TIME.
 - E) OSC TO REMAIN IN PHONE CONTACT WITH SITE. USCG/AST TO ACT AS OSC REP.
- II) ACTIONS TAKEN
- A) EXCAVATION, BACKFILLING AND STAGING ACTIVITIES RECOMMENCED THIS DATE.
 - B) OSC COORDINATED MEETING WITH OHM, DUPONT, ERT, ERS CHIEF AND ERCS DPO TO DISCUSS R&D EFFORT AND PROPOSED USE SOIL/SOLVENT EXTRACTION PROCESS. MEETING TO BE HELD IN FINDLAY, OHIO AT THE OHM OFFICES. MEETING SCHEDULED FOR THURSDAY, 3/21/85.
- III) FUTURE PLANS
- A) EXCAVATION, BACKFILLING AND STAGING TO BE COMPLETE BY 3/22.
 - B) OSC TO DEMOBILIZE SITE UPON ASSURANCE THAT STAGING CELL WILL REMAIN STABLE FOR AT LEAST 30 DAYS.
 - C) OSC TO PLACE STRONG EFFORT ON COMPLETION OF R&D EFFORT AND ARRANGE FOR ON SITE DEMONSTRATION OF METHOD ASAP. GOAL FOR DEMONSTRATION WILL BE FIRST WEEK OF MAY.
 - D) UPON COMPLETION OF ABOVE AND ASSUMED SUCCESS, OSC TO DRAFT ADDITIONAL FUNDING REQUEST TO BE PROCESSED THRU HQ SINCE THE 1 MILLION DOLLAR CEILING WILL EXCEEDED.
 - E) OSC TO CONTINUE TO INVESTIGATE OTHER POTENTIAL ALTERNATIVE DISPOSAL METHODS. HOWEVER, IT IS THE OSC'S OPINION THAT SOLVENT EXTRACTION IS THE MOST VIABLE AT THIS TIME.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

EPAOHM PHA

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SPILLSEPA WSH
POLREP 28

39

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.

- I) SITUATION: (1300 HRS., 3/20/85)
A) ESTIMATED COST TO DATE: (3/19/85)

CEILING

ERCS	\$604,500	\$650,000
USCG/AST	\$20,600	\$25,000
TAT	\$20,750	\$25,000 (CEILING RAISED THIS DATE)
EPA	\$10,000	

- B) WEATHER CONDITIONS ARE ADEQUATE TO ALLOW CONTINUED EXCAVATION/
STAGING OF CONTAMINATED SOILS.
- C) OSC MAINTAINING CLOSE WATCH ON PROJECT COSTS (ERCS APPROACHES 93%)
- D) OSC CONTINUES TO COORDINATE ALTERNATIVE DISPOSAL OPTIONS. BEST
OPTION APPEARS TO BE SOIL SOLVENT EXTRACTION. OSC HAS TAKEN THE
FOLLOWING STEPS IN THIS REGARD:
- COORDINATION WITH BOTH REGION (ED COHEN) AND HQ TSCA (JARED FLOOD)
 - COORDINATION WITH HQ ERD (COLLEN CARRUTHERS AND STEVE HEIRE)
 - FOLLOW UP ON OTHER TECHNOLOGIES (IE. INCINERATION)
 - ALL PREPARATIONS TO SECURE R&D PERMIT TO TEST PROCESS ON SITE.
PERMIT TO BE SECURED IN THE NAME OF EPA REGION III
- E) OSC ESTIMATES THAT ALL EXCAVATION/STAGING WILL BE COMPLETE AND
WILL DEMOB BY 3/23.
- II) ACTIONS TAKEN
- A) OSC CONTACTED CONTRACTS (PAIGE PECK) TO DISCUSS ANY CONCERNS AS
REGARDS FUTURE CONTRACTING CONCERNS. CONTRACTS ADVISES THAT THE
ERCS SUBCONTRACTING MECHANISM IS APPROPRIATE TO USE.
- B) OSC SET UP MEETING WITH OHM IN THE FINDLAY OHIO OFFICE FOR 3/21/85.
ERS CHIEF, TOM MASSEY, DPO, STEVE JARVELA, ERT, ANY ZOWNIR AND OSC TO
ATTEND.
- III) FUTURE PLANS
- A) MEETING PLANNED FOR 3/21.
- B) SITE DEMOB BY 3/23.
- C) ON SITE ACTIVITY INVOLVING PROPOSED PROCESS ASAP

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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- 1) SITUATION: (1700 MRS., 3/25/85)
- A) SOIL EXCAVATION, STAGING AND SITE BACKFILL/REGRADE 99% COMPLETE.
 - B) STAGING CELL (12 INCH CLAY BED, 18 INCH BERM, PVC COVER, ROCK FILTER OUTLET) COMPLETE. CELL PURPOSELY DESIGNED SUCH THAT LITTLE OR NO MAINTENANCE WILL BE REQUIRED OVER THE SHORT TERM. (6 MONTHS)
 - C) FINAL ESTIMATED EXCAVATED SOIL VOLUME=4000 CUBIC YARDS.
 - D) ALL TRANSPORTATION AND DISPOSAL OF PCB FLUIDS, TRANSFORMERS AND CAPACITORS COMPLETE.
 - E) UPON CONSULTATION WITH ERT, CONTRACTS, AND REGIONAL TSCA PERSONNEL, OSC HAS ELECTED TO SEEK ACCURATE AND PRECISE INFO. AS REGARDS OHM/DUPONT PROCESS IN TECHNICAL AREAS, PATENT CONCERNS, OWNERSHIP, AND OTHER POTENTIAL LEGAL ISSUES. OSC WILL NOT SEEK AN R&D PERMIT FROM TSCA UNTIL THE FOLLOWING QUESTIONS HAVE BEEN ANSWERED:
 - WHAT IS THE APPROPRIATED CONTRACT MECHANISM TO ALLOW FOR A PILOT DEMONSTRATION, AND MOVE INTO ON SITE TREATMENT?
 - WHO LEGALLY OWNS OR CONTROLS THE PROCESS, EQUIPMENT ETC.?
 - IS "R&D" COST A COST RECOVERABLE ITEM AND THEREFOR AN ALLOWABLE COST UNDER THIS REMOVAL PROJECT?
 - IS THERE LABORATORY DATA AVAILABLE FOR REVIEW WHICH WILL INDICATE HOW WELL THE PROCESS WILL PERFORM.OSC HAS PLACED A HIGH PRIORITY ON THESE ISSUES AND INTENDS TO AGGRESSIVELY SEEK ANSWERS TO THESE QUESTIONS PRIOR TO FINALLY SEEKING AN R&D PERMIT FOR WORK TO BE PERFORMED ON SITE.
 - F) OSC HAS RECIEVED NUMEROUS FOIA REQUESTS FROM INTERESTED PARTIES, CITIZENS GROUPS ETC. OSC INFORMED ERS CHIEF, TOM MASSEY, OF THESE REQUESTS AND HAS REQUESTED ADMINISTRATIVE SUPPORT TO COMPLETE THESE REQUESTS. SITE COMMITMENTS, REGIONAL COMMITMENTS AND OTHER PRIORITIES MAKE IT IMPOSSIBLE TO MEET THESE FOIA DEADLINES. OSC REQUESTS GUIDANCE.

11) ACTIONS TAKEN

- A) OSC, ERS CHIEF, TOM MASSEY, ERT, ANDY ZOWNIR, DPO, STEVE JARVELA CONDUCTED A MEETING WITH OHM AT THEIR FINDLAY, OHIO FACILITY AS REGARDS THE POSSIBLE USE OF SOLVENT EXTRACTION TECHNOLOGY. IN ATTENDANCE FROM OHM WERE:
 - SAM INSALACA-OHM PHD R&D
 - OHM LEGAL COUNSEL
 - BOB OHNECK-ERCS PROGRAM MANAGER
 - LLOYD STAUFFER-RESPONSE MANAGEROSC INFORMED OHM THAT IN THE OSC'S OPINION, R&D DEVELOPMENT COSTS SUCH AS PILOT OR DEMONSTRATION WERE NOT APPROPRIATELY FUNDED USING PROJECT DOLLARS. OHM HAS TENTATIVELY AGREED TO FUND THESE DEVELOPMENT COSTS AND PERFORM ALL WORK ON SITE.
OHM PRESENTED PROPOSED PROCESS. PROCESS IS A DERIVATION OF COAL DESULFURIZATION USING FREDON IN A CLOSED SYSTEM. INPUT RATES AS HIGH AS 100 TONS PER DAY CAN BE ACHIEVED USING THE PROPOSED EQUIPMENT. OHM DID NOT HAVE A HANDLE ON THE ESTIMATED COSTS FOR THE PROCESS. HOWEVER, IT WOULD TAKE OVER 100 DAYS TO TREAT THE SITE SOILS WITH THIS PROCESS.
APPROPRIATE UNIT CHARGES WERE DISCUSSED AS TO HOW THESE TREATMENT COST WOULD BE BILLED. OSC IS NOT PLEASED WITH 100 DAYS OF SITE ACTIVITY AND RESULTANT COSTS.
- B) THE FOLLOWING DECISIONS CAME OUT OF THIS MEETING:
 - OHM TO DECIDE AT THEIR CORPORATE LEVEL WHETHER TO PROCEED USING THEIR CORPORATE FUNDS TO PROVE PROCESS.
 - OSC, UPON PROCESS DEMONSTRATION AND IF COSTS ARE IN LINE, WILL SUBMIT A FUNDING REQUEST TO HQ (OVER \$1 MILLION) TO FUND THE USE OF THIS PROCESS.
 - OHM TO BE ON-SCENE WEEK AFTER NEXT TO LAB PILOT PROCESS USING SITE SOILS TO DETERMINE PROCESS APPLICABILITY AND ENABLE A ROUGH COST ESTIMATION TO TREAT ALL SITE SOILS.
 - UPON SUCCESSFUL LAB PILOT, OHM INTENDS TO ASSEMBLE/BUILD PROCESS EQUIPMENT.
 - SCALED UP PROCESS WILL BE DEMONSTRATED ON SITE BY OHM.
 - UPON SUCCESSFUL DEMONSTRATION, OSC WILL SUBMIT REQUEST FOR ADDITIONAL FUNDS TO HQ.

111) FUTURE PLANS

- A) OSC TO REQUEST ASSISTANCE FROM HQ ERD TO AID IN SECURING R&D APPROVALS AND PROVIDE ADVICE AND GUIDANCE AS REGARDS REQUEST FOR ADDITIONAL FUNDS.
- B) OSC TO REQUEST ASSISTANCE FROM HQ, CONRAD KLEVINDW, TO AID IN TECHNICAL ASSESSMENTS AND ANY OTHER PERMIT ISSUES.
- C) OSC TO REQUEST ADVICE AND GUIDANCE FROM HQ CONTRACTS, PAT FLYNN AND DAVE O'CONNOR.
- D) OSC TO REQUEST AGGRESSIVE ASSISTANCE FROM ERT TO ENABLE A STRONG EPA TECHNICAL REVIEW AND ASSESSMENT OF PROPOSED OHM PROCESS.
- E) [REDACTED]

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SPILLSEPA WSM
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CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO SITE
MINDEN, W. VA.

I) SITUATION: (1400HRS., 4/1/85)

A) SITE COMPLETELY DEMOED. REGULAR INSPECTION AND MAINTENANCE PROGRAM IN PLACE. (WEEKLY)

B) HEAVY RAINS HAVE CAUSED LIMITED FLOODING, NOT CRITICAL AT THIS POINT.

C) OSC CONTINUES TO WORK WITH OHM(ERCS) AS REGARDS TREATMENT OPTION.

D) OSC HAS UNOFFICIALLY DETERMINED THAT TREATMENT OR DISPOSAL WORK MUST COMMENCE BY 5/15. FINANCIAL, TIME AND SAFETY CONSTRAINTS WERE WEIGHED IN ORDER TO SELECT THIS DATE.

II) ACTIONS TAKEN

A)

B) OSC CONTACTED WVDNR, PAM HAYES, AND REQUESTED A MEETING IN CHARLESTON WITH WVDNR, ERT, TAT AND OSC TO DISCUSS POSSIBLE USE OF TREATMENT ALTERNATIVE AND TO SEEK STATE COMMENTS AND TO SOLICIT TECHNICAL ASSISTANCE FROM THE STATE.

III) FUTURE PLANS

A) OSC AWAITING FINALIZATION OF MEETING WITH WVDNR.

B) OSC AWAITING OHM DECISION AS TO WHEN BENCH WORK CAN BEGIN ON SITE TO DEVELOPE TECHNICAL/ANALYTICAL DATA TO SUPPORT R&D PERMIT.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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SPILLSEPA WSM
POLREP 42

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (1700HRS., 4/30/85)

A) SITE STILL DEMOED AWAITING FINALIZATION OF PROPOSED ON SITE TREATMENT TECHNOLOGY.

B) CITIZEN'S GROUP, (CITIZENS TO SAVE THE PLATEAU) STILL ACTIVELY MEETING AND CONTINUE TO BE GREATLY CONCERNED OVER THE PRESENCE OF PCB FOUND IN THEIR YARDS (17PPM). OSC RESPONDED TO THEIR FOIA REQUEST PROVIDING ALL ANALYTICAL AND SAMPLING PLANS.

C) OSC, ERS CHIEF, TOM MASSEY, AND ERCS DPO, STEVE JARVELA, MET WITH OHM TECHNICAL, R&D AND OPERATIONS PERSONNEL TO REVIEW PROPOSED ON SITE TREATMENT TECHNOLOGY. PROPOSED UNIT DESIGN REVIEWED BY ERT, ANDRE ZOWNIR AND BOB CIBULSKIS. IT WAS AGREED AT THIS MEETING THAT OHM WOULD BEAR THE COST OF ANY AND ALL R&D WORK DEEMED NECESSARY TO ADEQUATELY DEMONSTRATE THE FEASIBILITY OF THIS TECHNOLOGY. EPA WOULD BEAR THE COST OF ANY OPERATIONAL SUPPORT (I.E. BACKHOE, SERVICES) ON SITE. OSC SET THE FOLLOWING DEADLINES:

-ON SITE LAB WORK TO DEMONSTRATE FEASIBILITY BY 5/6/85.

-ON SITE PILOT WORK WEEK OF 5/13/85. TO DEMONSTRATE SCALEUP AND PROVIDE ACCURATE COST(UNIT) INFO FOR ESTIMATING PURPOSES.

-DURING WEEK OF 5/13 OSC INTENDS TO COMPLETE DRAFT OF 1 MILLION EXEMPTION USING UNIT COST ESTIMATES AS GENERATED ON SCENE.

D) OSC REQUESTS ADVICE AND GUIDANCE FROM BOTH ERD AND CONTRACTS AS TO DETERMINATION OF HOW THIS TREATMENT SYSTEM SHOULD BE BILLED.

E) UPON COMPLETION OF LAB AND PILOT WORK OSC WILL SEEK A R&D PERMIT FROM HQ TSCA USING DESIGN SPECS AND LAB RESULTS GENERATED DURING WEEK 5/6.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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SPILLSEPA WSH
POLREF 43

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

1) SITUATION: (1700 HRS., 6/12/85)

- A) IN RESPONSE TO RECENT HEAVY ACTIVITY FROM THE ORGANIZED CITIZENS GROUP (CITIZENS TO SAVE THE PLATEAU) THE OSC ATTENDED A MEETING IN CHARLESTON W.VA. WITH THE STATE HEALTH DEPT. ALSO ATTENDING WAS THE REGION III CDC LAISON, B. WALTERS. RECENTLY THIS GROUP DEMONSTRATED IN FRONT OF THE COUNTY HEALTH DEPT. AND THE STATE HEALTH DEPT. VOICING THEIR CONCERNS OVER THE HEALTH OF CITIZENS LIVING IN MINDEN. THEY ARE DEMANDING THE FOLLOWING:
- A CANCER SURVEY AND/OR SCREENING SINCE THERE APPEARS TO BE AN INCREASED RATE OF CANCER IN THIS AREA.
 - A PCB BLOOD SERUM SCREENING, SINCE SEVERAL RESIDENTS CLAIM THEY HAVE EXPERIENCED HEALTH SYMPTOMS.
- IT SHOULD BE NOTED THAT THE INITIAL TWO PUBLIC MEETINGS WERE DEDICATED TO ANSWERING THESE CONCERNS. CDC IN CONJUNCTION WITH THE STATE HEALTH DEPT INITIALLY TOLD THE RESIDENTS THAT ALTHOUGH THE LEVELS AT THE SITE WERE SERIOUS THE LEVELS IN THE RESIDENTIAL AREA DID NOT PRESENT A THREAT. HOWEVER IF ANY RESIDENT FELT THAT THEY WERE EXPERIENCING ANY HEALTH PROBLEM, THE CDC AND THE STATE HEALTH WOULD BE GLAD TO CONSULT WITH THEIR OWN PERSONEL PHYSICIAN.
- B) THE OSC STRONGLY RECOMMENDED IN THIS MEETING THAT THE FOLLOWING STEPS BE TAKEN IN RESPONSE TO THESE CONCERNS:
- CONDUCT A MEETING WITH THE PRINCIPLES OF THE CITIZEN'S GROUP TO ANSWER ANY TECHNICAL QUESTIONS AND PROVIDE AN "OPEN BOOK" TO ENABLE INFO TRANSFER TO THESE PEOPLE. ATTEMPT TO EXPLAIN TO THEM WHY A HEALTH STUDY IS NOT WARRANTED.
 - FOLLOW UP WITH A PUBLIC MEETING AND UTILIZE AT LEAST ONE WEEK NOTICE TO ALLOW FOR AS MANY PEOPLE TO PARTICIPATE AS POSSIBLE.
- C) A FINAL RESULT OF THIS MEETING WITH W.VA. PUBLIC HEALTH DIRECTOR HEYDINGER WAS COMPLETE ACCEPTANCE OF THE OSC'S RECOMMENDATION. WVDNR AND EPA OPA TO ARRANGE THESE MEETINGS ASAP.
- D) OSC CONCERNED THAT THIS RECENT PUBLIC CONCERN MIGHT JEOPARDIZE THE SUCCES AND ACCEPTANCE OF THE PROPOSED ALTERNATIVE ON SITE TREATMENT TECHNOLOGY. THE OSC HAS INSISTED ON CDC REPRESENTATION AT THESE FUTURE MEETINGS AND FEELS THAT EVERY EFFORT SHOULD BE MADE TO DIFFUSE AND ANSWER CITIZEN CONCERNS.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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SPILLSEPA WSH
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CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W. VA.

I) SITUATION: (7/1/85, 1300 HRS.)

A) IN RESPONSE TO CITIZENS GROUP ACTIVITY AND CONCERNS, PREVIOUSLY DISCUSSED PUBLIC MEETING HAS BEEN FINALIZED AS FOLLOWS:

- 7/2/85 AT 1500 HRS., MEET WITH PRINCIPLES OF CITIZENS GROUP.
- 7/2/85 AT 1900 HRS., PUBLIC MEETING.

B) THE FOLLOWING ARE EXPECTED TO PARTICIPATE:

- DR. HEYDINGER, DIRECTOR W. VA. HEALTH DEPT. AND HIS STAFF (1-2)
- CDC, DR. LYBARGER AND CHARLES WALTERS
- W. VA. DNR, PAM HAYES
- EPA, OSC-BOB CARON

C) PRESS INTEREST HAS BEEN HEAVY AND IS EXPECTED TO BE HEAVY AT THESE MEETINGS. CHARLESTON AND LOCAL NEWS EXPECTED.

D) CITIZENS EXPECTED TO CONTINUE VOICING THEIR HEALTH CONCERNS AS REGARDS APPARENT INCREASED CANCER LEVEL IN THIS AREA.

E) OSC CONCERNED THAT THESE HEALTH CONCERNS BE ADRESSED AS BEST AS POSSIBLE IN ORDER TO ALLEVIATE CITIZEN PRESSURE AS REGARDS CLEANUP. OSC ANTICIPATES USING NEW ALTERNATIVE TREATMENT TECHNOLOGY AT THIS SITE. CITIZENS ARE ALREADY ACCUSING EPA OF USING THEM AS GUINEA PIGS

F) OSC HAS REQUIRED THESE MEETINGS IN ORDER TO ADDRESS THESE CONCERNS IN HOPES TO ENABLE A SMOOTH APPLICATION OF THE PROPOSED TREATMENT SYSTEM.

II) ACTIONS TAKEN

A) OSC HAS DRAFTED A SIX MONTH EXTENSION WHICH HAS BEEN TURNED BACK SINCE MANAGEMENT REQUIRES A MORE THOROUGH DESCRIPTION OF THE PROPOSED TREATMENT PROCESS IN BOTH THIS DOCUMENT AND IN THE ONE MILLION EXEMPTION.

B) OSC HAS DRAFTED BOTH THESE DOCUMENTS AND INTENDS TO SUBMIT BOTH FOR REGIONAL CONCURRENCE WEEK OF 7/8/85. DRAFTS TO BE SENT TO HQ/ERD SAME DATE FOR THEIR COMMENTS.

III) FUTURE PLANS

- A) OSC TO COMPLETE REVIEW OF PROPOSED PROCESS BENCH RESEARCH AND MEET WITH O.H. AND DUPONT ENGINEERS TO FINALIZE EQUIPMENT DESIGN.
- B) UPON COMPLETION OF REVIEW OSC TO SUBMIT PAPERWORK FOR R&D PERMIT TO HQ TSCA PERSONNEL.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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SPILLSEPA WSH
POL REP 45

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
FAYETTE COUNTY
MINDEN, W.VA.

1) SITUATION: (1335 HRS., 7/5/85)

- A) TWO PUBLIC MEETINGS HELD 7/2/85. MEETING NUMBER ONE WAS HELD WITH THE CITIZEN'S GROUP. APPROXIMATELY 10 INDIVIDUALS ATTENDED. THE PURPOSE OF THIS MEETING WAS TO ENABLE A DIALOGUE TO BE DEVELOPED BETWEEN EPA, CDC AND THE CITIZEN'S GROUP. OSC CONDUCTED MEETING WITH THE FOLLOWING PARTICIPANTS:
- WVDNR TIM LARRAWAY AND PAM HAYES
 - WV STATE HEALTH BOB WHEELER AND LORRETTA HADDY
 - CDC DR. JEFF LYBARGER AND CHARLES WALTERS
 - EPA/OPA RAY GERMAN
 - WVDNR/OPA KIM FETTY
- CITIZENS NOW CONVINCED THAT EPA HAS ACTED NOT ONLY AGGRESSIVELY BUT PROPERLY. THEY ARE PRIMARILY CONCERNED OVER HEALTH ISSUES AND ARE USING ANY TOOL AVAILABLE TO SEEK A HEALTH STUDY FOR MINDEN. DR. LYBARGER ADDRESSED THEIR CONCERNS, AGAIN REITERATING THAT THERE DOES NOT APPEAR TO BE A NEED FOR SUCH A STUDY AT THIS SITE. CITIZENS ARE APPARENTLY GOING TO CONTINUE SEEKING A HEALTH STUDY AND ARE ADDRESSING THEIR CONCERNS TO ELECTED OFFICIALS. HEALTH PROBLEMS IN THIS AREA ARE APPARENTLY INDEPENDENT OF THE SHAFFER SITE WITH SOME EVIDENCE WHICH SUGGESTS AN INCREASED CANCER RATE.
- B) A SECOND PUBLIC MEETING WAS HELD AT 1900 HRS., SAME DATE, APPROX. 100 RESIDENCES ATTENDED WITH CONCERNS AS IN PREVIOUS MEETING. CITIZENS WERE HOLDING SIGNS. OSC ADDRESSED AUDIENCE AND ASSURED THEM THAT EPA HAS DONE EVERYTHING POSSIBLE AND WILL CONTINUE TO DO SO. CITIZENS EXPRESSED SATISFACTION WITH EPA HOWEVER THEY CONTINUED TO DEMAND HEALTH STUDIES. DR. LYBARGER AGAIN EXPLAINED THE SITUATION THAT THE RESULTS DO NOT INDICATE A NEED. THE CITIZENS ARE CONCERNED OVER INCREASED CANCER WHICH CAN NOT BE LINKED TO SHAFFER. MEETING LASTED APPROX 2 HOURS. CITIZENS ARE NOT CONVINCED OR HAPPY ABOUT HEALTH ISSUES.
- C) OSC ORIGINAL PURPOSE FOR MEETING WAS TO ATTEMPT TO DIFFUSE CONCERNS TO ENABLE THE USE OF A NEW ONSITE TREATMENT TECHNOLOGY. OSC SPENT CONSIDERABLE TIME EXPLAINING PROPOSAL. CITIZENS ACCEPT EPA'S PROPOSAL AND ARE CONFIDENT THAT EPA WILL PERFORM THIS ACTION SAFELY.
- D) CITIZENS WELL ORGANIZED HOWEVER IMPROPERLY LED. THEY WILL CONTINUE TO PURSUE HEALTH ISSUES WITH ELECTED OFFICIALS.
- E) OSC CONCERNED SINCE THIS OUTCRY HAS RESULTED IN NUMEROUS FOIA WHICH ARE ALMOST IMPOSSIBLE TO ANSWER INVOLVING REQUESTS FOR COMPLETE SITE FILES. THIS IS NOT POSSIBLE AS FILE IS IN CONSTANT USE AND OSC HAS NO ADMINISTRATIVE SUPPORT TO COPY THOUSANDS OF PAGES PER REQUEST. OSC SEEKS GUIDANCE.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

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**SPILLSEPA WSH
POLREP #46**

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.**

**ATTN: T. MASSEY
DR. WINSTON PORTER**

I) SITUATION: (0900 HRS., 8/13/85)

- A) SIX MONTH EXEMPTION AND 1 MILLION EXEMPTION ARE THROUGH REGIONAL CONCURRENCE AS FAR AS THE DIVISION DIRECTOR. ALL LEVELS OF CONCURRENCE HAVE QUESTIONED THE OSC AND THE PROPOSED ACTIONS. THIS HAS RESULTED IN CONSIDERABLE HOLDUP AND ADDITIONAL TIME SINCE THE OSC HAS BEEN UNAVAILABLE FOR CONSULTATION DUE TO OTHER REGIONAL EMERGENCY COMMITMENTS AT OTHER CLEANUP SITES.**
- B) EPA CONTINUES TO RECIEVE ADVERSE PRESS AS A RESULT OF THE ACTIVE CITIZEN'S GROUP AND THEIR HEALTH CONCERNS. PRESS BASICALLY CENTERS AROUND EPA'S TECHNICAL RESPONSE TO THE EMERGENCY AND THEIR INTERACTION WITH CDC AND STATE HEALTH. CITIZENS CONTINUE TO LOBBY FOR A HEALTH STUDY.**
- C) SEVERAL FOIA REQUESTS HAVE COME IN REGARDING THIS SITE REQUESTING A COPY OF THE COMPLETE FILE. THE ERS SECTION DOES NOT HAVE THE RESOURCES OR TIME TO COMPLY WITH THIS REQUEST. REGIONAL FOIA PERSONNEL HAVE HANDLED THESE REQUESTS. ONLY PORTIONS OF THE FILE HAVE BEEN PROVIDED SINCE THE OSC CANNOT PART WITH THE FILE SINCE THE SITE IS STILL ACTIVE. FILE OFFERED FOR REVIEW AT ANY TIME AND WAS OFFERED FOR REVIEW BY ANYONE ON JULY 2, 1985 WHEN THE OSC CONDUCTED A PUBLIC MEETING IN MINDEN. CITIZENS GROUP HAS FILED A CLASS ACTION SUIT AGAINST EPA UNDER FOIA.**
- D) THE OSC HAS BEEN UNAVAILABLE TO RESPOND TO ANY FOIA DUE TO OTHER EMERGENCY SITES, OIL SPILLS AND REGIONAL PRIORITIES. OSC IS REQUESTING ADVICE, GUIDANCE, ASSISTANCE AS REGARDS COMMUNITY RELATIONS SITUATION SURROUNDING THIS SITE SINCE ADVERSE PUBLIC REACTION COULD SEVERELY HAMPER FUTURE ON SITE ACTIVITY.**
- E) THE OSC IS PREPARED AT ANY TIME TO BRIEF OR CONSULT WITH ANY INVOLVED AGENCY PERSON IN ORDER TO EXPEDITE THE AFORMENTIONED REQUESTS.**
- F) ERS CHIEF, TOM MASSEY, INFORMED OSC THAT THIS PROJECT AND THE PROPOSED ALTERNATIVE TECHNOLOGY USE IS A REGIONAL PRIORITY.**
- G) OSC AWAITING OPPORTUNITY TO BRIEF THE RA. RA UNAVAILABLE DUE TO REGIONAL COMMITMENTS (I.E. UNION CARBIDE) DIVISION DIRECTOR REQUIRES RA BRIEFING PRIOR TO RA CONCURRENCE AND DOCUMENT TRANSMISSION TO HQ.**
- H) CONTRACTS HAS BEGUN PRELIMINARY NEGOTIATIONS WITH ERCS (OHM) AS REGARDS CONTRACT MECHANISM AND NEGOTIATED RATES FOR ONSITE EQUIPMENT.**

II) ACTIONS TAKEN

- A) OSC AGAIN VOICED CONCERNS OVER THE NEED FOR RAPID ACTION ON THIS SITE SINCE AN EMERGENCY STILL EXISTS. THE OSC STRESSES THAT CONCURRENCE ON DOCUMENTS BY INNUMERABLE PERSONS DOES HOLDUP PROJECTS AND RESONSES TO EMERGENCIES. A MAJOR FLOOD EVENT IN MINDEN WILL CAUSE THE SPREAD AND RESULTANT PUBLIC HEALTH IMPACT FROM CONTAMINANT THE MORE TIME SPENT ON CONCURRENCE, THE GREATER THE RISK.**

III) FUTURE PLANS

- A) OSC PREPARED TO BRIEF RA AND RECIEVE REGIONAL CONCURRENCE AT ANY TIME. POSSIBLY UPON RA RETURN FROM UNION CARBIDE ON 8/14.**
- B) DOCUMENT TO BE IMMEDIATEL SENT TO HQ FOR THEIR CONCURRENCE. AGAIN OSC INTENDS TO REMAIN AVAILABLE AT ANY TIME FOR BRIEFINGS OR CONSULTATION AS INCOMING EMERGENCIES ALLOW. AGAIN THE OSC REQUESTS RAPID CONSIDERATION AND CONCURRENCE ON THIS DOCUMENT.**

100390

**ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.**

TLX II 7108229269
CONNECTED 15-Aug-85 15:49 00

SPILLSEPA WSH
POLREP 47

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.

ATTN: TOM MASSEY
DR. WINSTON PORTER

I) SITUATION: (1000HRS., 8/15/85)

- A) RA SIGNED AND APPROVED BOTH THE SIX MONTH AND MILLION DOLLAR EXEMPTION FOR THIS SITE. SIX MONTH EXEMPTION PROPERLY FILED AND COPIES FORWARDED TO EPA/HQ. MILLION DOLLAR EXEMPTION MAILED THIS DATE VIA OVERNITE MAIL TO EPA/HQ.
- B) EPA/HQ ERD, COLLEEN CARRUTHERS, COORDINATING CONCURRENCE CHAIN IN HQ IN AN ATTEMPT TO STREAMLINE HQ APPROVALS. BRIEFING TO BE OFFERED TO ALL CONCURRENCE CHAIN REPS FROM OSC AND REGIONAL SUPERFUND BRANCH CHIEF AND CONVENIENT TIME.

II) ACTIONS TAKEN

- A) OSC ALERTED ERCS AS TO PROGRESS OF FUNDING.
- B) OSC ALERTED EPA/CONTRACTS AS TO PROGRESS OF FUNDING.
- C) OSC ALERTED WVDNR AS TO PROGRESS OF FUNDING.
- D) OSC ALERTED LEGAL AS TO PROGRESS OF FUNDING.

III) FUTURE PLANS

- A) OSC TO BE AVAILABLE AT A MOMENTS REQUEST FOR BRIEFING TO ANY AND ALL CONCERNED CONCURRENCE CHAIN INDIVIDUALS.

ROBERT E. CARON
USEPA-III
PHILADELPHIA, PA.

DISCONNECTED 15-Aug-85 15:53 01

TLX II 7108229269
CONNECTED 20-Aug-85 15:24 22

SPILLSEPA WSH
POLREP 48

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

ATTN: TOM MASSEY AND TIM FIELDS

I) SITUATION: (1300 HRS., 8/20/85)

- A) OSC REQUESTED BY HQ/ERD, COLLEEN CARRUTHERS, TO GIVE A BRIEFING TO HQ PERSONNEL ON MONDAY, 8/26. PURPOSE OF BRIEFING IS TO ENABLE RAPID REVIEW AND CONCURRENCE BY HQ PERSONNEL AS REGARDS ONE MILLION DOLLAR EXEMPTION AND PROPOSED ALTERNATIVE ONSITE TREATMENT PROCESS.

II) ACTIONS TAKEN

- A) OSC IN RECEIPT OF DRAFT EQUIPMENT AND PROCESS DIAGRAMS FROM ERCS. THESE ARE SUFFICIENT FOR BRIEFING PURPOSES AND LACK ONLY FIRE SUPPRESSION AND OTHER OUTSIDE DESIGN NEEDS (IE. SPCC)
- B) OSC WORKING WITH TAT AND ERCS TO PUT TOGETHER A QUICK COMPREHENSIVE PRESENTATION.

III) FUTURE PLANS

- A) OSC WILL BE PREPARED AND RARING TO GO.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100391

SPILLSEPA WSH
POLREP 49

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
FAYETTE COUNTY
MINDEN, W.VA.

ATTN: TIM FIELDS AND TOM MASSEY

I) SITUATION: (0800 HRS., 9/6/85)

- A) HEADQUARTERS ACTING ASSISTANCE ADMINISTRATOR, JACK MCGRAW, APPROVED THE ONE MILLION DOLLAR EXEMPTION FOR THIS SITE WHICH WILL ALLOW FOR THE IMPLEMENTATION OF A NEW ONSITE TREATMENT ALTERNATIVE FOR THE EXTRACTION OF PCB CONTAMINATED SOILS USING METHANOL AND RESULTING IN THE DESTRUCTION OF THE PCB AS OPPOSED TO THE LANDFILLING OF CONTAMINATED SOILS. DOCUMENT SIGNED ON 8/29/85.
- B) THE OSC PROVIDED A BRIEFING TO HEADQUARTERS CONCURRENCE CHAIN PERSONNEL ON 8/26/85.
- C) THE OSC'S BUDGET FOR THIS ACTIVITY DOES NOT INCLUDE THE 15% FOR EPA "OVERHEAD" AS RECOMMENDED IN THE NEW SUPERFUND COST CONTROL MANUAL. THE OSC DOES NOT AGREE WITH THIS REQUIREMENT AND IS OPPOSED TO ATTEMPTING TO TRACK THESE AS YET UNDETERMINED COST VARIABLES WITH FUNDS REQUESTED BY THE OSC. SINCE THE OSC IS REQUESTING THESE FUNDS AND THEREFOR THE OSC IS RESPONSIBLE FOR THESE FUNDS THE OSC IS OF THE OPINION THAT SINCE THESE FUNDS ARE NOT WITHIN THE CONTROL OF THE OSC BY EITHER MANAGEMENT OR CONTRACTURAL RELATIONSHIPS AND THEREFOR IF ANY FUNDS ARE TO BE EXPENDED AGAINST THE PROJECT CEILING THEY MUST BE WITHIN THE CONTROL OF THE OSC. THEREFOR THE OSC REFUSES TO BE HELD ACCOUNTABLE FOR COSTS INCURRED THAT ARE NOT DIRECTLY CONTROLLED AND MONITORED BY THE OSC. THE REQUIREMENT IN QUESTION CAN BE FOUND IN THE REMOVAL COST MANAGEMENT MANUAL ON PAGE 2-6 AND 2-8 WHICH INCLUDE REGIONAL AND HEADQUARTERS MANAGEMENT AND ADMINISTRATIVE COSTS. THE OSC WILL MAINTAIN A SLUSH FUND IN THE BUDGET WHICH MAY TOTAL AS MUCH AS 15% WHICH WILL REMAIN UNOBLIGATED HOWEVER THE OSC WILL NOT BE RESPONSIBLE FOR COSTS INCURRED AGAINST THIS MONEY.
- D) CITIZENS GROUP CONTINUES TO BE ACTIVE. ACTIVITY PRIMARILY INVOLVES HEALTH AGENCIES.
- E) MEDIA MIXED, WITH ONLY LOCAL SMALL NEWSPAPERS EXPRESSING DISATISFACTION WITH EPA'S POSITION AS REGARDS THE NEED OF A PUBLIC HEALTH SCREENING.
- F) NEW ONSITE TREATMENT SYSTEM IN FINAL DESIGN AND CONSTRUCTION. THESE DESIGN AND CONSTRUCTION PHASES ARE AT NO COST TO THE PROJECT AND ARE BEING BORN BY THE CONTRACTOR.

II) ACTIONS TAKEN

- A) THE OSC MET WITH THE ERCS CONTRACTING OFFICER, PAT FLYNN AND CONTRACTS SPECIALIST, TIM FERRIS ON 9/4/85 TO DISCUSS THE CONTRACTING MECHANISM TO BE USED. MODIFICATIONS TO THE EXISTING DELIVERY ORDER ARE THE METHOD OF CHOICE TO MEET THE NEED OF THE EMERGENCY. A STATEMENT OF WORK WAS DEVELOPED WHICH INCLUDES A REQUEST FOR ACCURATE COST INFO IN ORDER TO ALLOW NEGOTIATION OF A RATE ON THIS NEW EQUIPMENT.

III) FUTURE PLANS

- A) OSC TO BE AVAILABLE FOR CONSULTATION WITH CONTRACTS TO EXPEDITE THEIR PORTION OF THE PROJECT.
- B) OSC TO FINALIZE PLANS WITH ERCS PERSONNEL AS TO WHEN MOBILIZATION WILL COMMENCE. EXPECTED WEEK OF 9/15.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100392

TLX II 710B229269
CONNECTED 11-Sep-85 09:56 49

SPILLSEPA WSH
POLREP 50

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
MINDEN, WEST VIRGINIA

ATTN;TIM FIELDS AND TOM MASSEY

I)SITUATION: (0800 HRS., 9/11/85)

A)OSC PLANS TO MOBILIZE ON SCENE BEGINNING 9/16/85. MOBILIZATION
WILL BE IN THREE PHASES AS FOLLOWS:

PHASE I-PERSONNEL TO SETUP COMMAND POSTS AND USING SUBS INSTALL
SPCC STRUCTURES PRIOR TO EQUIPMENT ARRIVAL.

PHASE II-MOBILIZE EXTRACTION EQUIPMENT WEEK OF 9/23. SETUP AND
PLUMB ALL EQUIPMENT.

PHASE III- MOBILIZE TECHNICAL AND OPERATIONS PERSONNEL FOR
DEMONSTRATION WEEK OF 9/30.

B)OSC COORDINATING WITH PUBLIC AFFAIRS FOR PRESS RELEASE.

C)OSC TO MEET WITH WVDNR AND STATE HEALTH WEEK OF 9/16.

D)OSC INVITES ALL INTERESTED PARTIES TO COME ONSCENE BY APPOINTMENT
ONLY.

ROBERT E. CARON
USEPA-III
ON-SCENE COORDINATOR
PHILADELPHIA, PA.

100-93

EPADHM PHA

WU INFOMASTER 4-0388029263-001 09/20/85
ICS IPMMT22 CSP
3044650571 DGM TDMT UG OAK HILL WV 402 09-20 0403P EST
TWX 7106700716 EPADHM PHA
EMERGENCY RESPONSE
4218 EPA PHA

ATTN TIM FIELDS AND TOM MASSEY
CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
MINDEN WEST VIRGINIA
POLREP #52 57

I. SITUATION (1700 HOURS 9-18-85)

- A. OSC HAS BRIEF WVDNR PERSONNEL FROM THE HEALTH, WATER RESOURCES, HAZARDOUS AND SOLID WASTE BRANCHES.
- B. ERCS MOBILIZATION ACTIVITIES BEGINNING.
- C. WVDNR BECKY ROBERTSON ON SCENE.
- D. PERSONNEL ON SCENE; ERCS-5, TAT-3, USCG/AST-1, WVDNR-1, EPA-1.

II. ACTIONS TAKEN

- A. TAT COMPUTER PERSONNEL ON SCENE TO BEGIN IMPLEMENTATION OF REMOVAL COST MANAGEMENT SOFTWARE ON SCENE.
- B. ERCS LEVELING AND PREPARING SITE FOR CONCRETE GROUND WORK AND ESTABLISH AREAS OF SPCC CONCERN.
- C. OSC COORDINATES AIR, WATER, AND SOIL PERMITTING ASPECTS THROUGH THE STATE OF WEST VIRGINIA AND ESTABLISHES THAT PERMITS THROUGH THE STATE ARE NOT REQUIRED FOR THE SOLVENT EXTRACTION PROCESS EQUIPMENT OR OPERATIONAL ASPECTS.
- D. OSC CONSIDERING COMMENTS FROM THE AIR RESOURCES BRANCH OF THE STATE TO IMPLEMENT CONTINGENCY CONTROL ON CONDENSOR UNIT.
- E. STRUCTURAL INTEGRITY OF SMALL ENTRANCE BRIDGES TO THE SITE HAVE BEEN INSPECTED. ERCS TO FINALIZE FINDINGS AND COMMENT.
- F. ELECTRICAL GROUND WORK REVIEWED AND PREPARATIONS BEING MADE FOR NECESSARY EQUIPMENT AND CONNECTIONS TO BE INSTALLED AND IMPLEMENTED STARTING 9-25-85.
- G. A CONTINGENCY MEASURE OF A BERM ADJACENT TO ARBUCKLE CREEK IS BEING FORMED TO PREVENT FLOODING ON SITE. THIS IS ONLY A TEMPORARY CONTINGENCY STRUCTURE AND THE NATURAL TERRAIN OF THE SITE WILL BE RESTORED TO ORIGINAL GRADE UPON PROJECT COMPLETION.
- H. OSC CONTINUES TO COORDINATE WITH;
 - 1. ERT
 - 2. WVDNR HAZARDOUS WASTE
 - 3. WVDNR WATER QUALITY
 - 4. STATE HEALTH DEPARTMENT
 - 5. CDC
 - 6. CONTRACTS
 - 7. REGIONAL COUNCIL
 - 8. OHM SAFETY PERSONNEL
- I. OSC HAS DELEGATED SITE SAFETY OFFICER AUTHORITIES TO UNIT USCG/AST DOUG FOX
- J. ERCS TO PERFORM ON SITE AIR MONITORING. TAT TO PERFORM OF SITE AIR MONITORING, ASSISTED BY USCG/AST.
- K. OSC TO SEEK COMMENTS AND REVIEW FROM THE STATE AIR POLLUTION AGENCY.

III. FUTURE PLANS

- A. OSC 2 PERCENT SOLVENT EXTRACTION INFORMATION TO OES ON 10-7-85.
 - B. OSC TO MEET WITH WV AIR POLLUTION BRANCH ON 9-26-85 TO DISCUSS CONTINGENCY MEASURES OF THE EXTRACTION UNIT AND PRESENT EXTRACTION SYSTEM CAPABILITIES.
 - C. ERCS TO BEIGN FORM CONCRETE LAWS FOR SPCC MEASURES.
 - D. OSC HAS REQUESTED ON SITE REVIEW AND COMMENT UPON DEMONSTRATION START-UP FROM ALL ABOVE LISTED AGENCIES.
 - E. OSC COORDINATING WITH OPA FOR ON SITE PRESS CONFERENCE DURING WEEK OF 10-7-85.
 - F. COMMAND POST TO BE OPERATIONAL COD 9/23/85.
- SIGNED ROBERT E CARON
ON SCENE COORDINATOR
USEPA REGION III
ROBERT E CARON, ON SCENE COORDINATOR

1609 EST

EPADHM PHA

100394

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT COMPANY SITE
MINDEN, WV**

POLREP 5152

ATTN: TIM FIELDS AND TOM MASSEY

I. SITUATION 9/19/85 1700 HRS.

- A. OSC, TAT, USCG/AST, ERCS, EPA PUBLIC RELATIONS, WV DNR PUBLIC RELATIONS ON SCENE TO PRELIMINARILY DISCUSS MOBILIZATION STRATEGIES.**
- B. SITE IS STILL IN STABLE CONDITION. SIGNS OF WEATHERING EXISTS ON SITE.**
- C. OSC CONCERNED THAT PRENEGOTIATED RATES OF THE EXTRACTION SYSTEM UNIT HAVE NOT BEEN FORMALLY AGREED UPON TO DATE.**

II. ACTIONS TAKEN

- A. OSC IMPLEMENTING USCG/AST AND TAT TO FORMULATE:**
 - 1. CONTINGENCY PLANS OF SITE AND PROCESS UNIT**
 - 2. SAFETY PLANS**
 - 3. AIR MONITORING PLANS**
 - 4. SAMPLING PLANS**
 - 5. FIRE FIGHTING CAPABILITIES**
 - 6. ESTABLISHMENT OF WORK TRAFFIC TO PROMOTE SAFETY AND PREVENT THE SPREADING OF CONTAMINANTS ON SITE**
 - 7. CONTACT WITH IMMEDIATE COMMUNITY THRU THE FIRE DEPT AND HOSPITAL**
 - 8. SPCC PLANS**
- B. PREPARATIONS BEING MADE TO IMPLEMENT VIDEO DOCUMENTATION ON SCENE AFTER THE TEST RUN PROVES A VIABLE ALTERNATIVE.**
- C. ERCS SPECIFICALLY PLANNING:**
 - 1. WATER SUPPLY**
 - 2. NITROGEN SUPPLY AND STORAGE**
 - 3. CONCRETE FOR PADS AND DIKED AND BERMED AREAS**
 - 4. STONE WORK**
 - 5. INTEGRITY OF BRIDGES**
 - 6. ELECTRIC SUPPLY**
 - 7. GAS SUPPLY FOR THE BOILER SYSTEM**
 - 8. PHONES**
 - 9. COMMAND POST**
 - 10. BLUE PRINTS**

III. FUTURE PLANS

- A. REMOVAL COST MANAGEMENT SOFTWARE TO ARRIVE ON SCENE 9-18-85.**
- B. OSC TO IMPLEMENT CAPABILITIES OF SOFTWARE UNIT AND RESEARCH AND UTILIZE TO MAXIMUM CAPABILITIES.**
- C. ERCS CONTRACTORS TO BEGIN SITE PREPARATION ACTIVITIES.**
- D. OSC TO MEET WITH WVDNR PERSONNEL 9-18-85 REGARDING CURRENT AND FUTURE SITE ACTIVITIES.**
- E. OSC, USCG/AST, ERCS AND TAT TO MEET WITH FAYETTE COUNTY FIRE CHIEF 9-19-85 TO DISCUSS AND REVIEW CONTINGENCY PLANNING OF THE SITE.**

ROBERT E. CARON OSC USEPA REGION III PHILADELPHIA PA

100-95

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

POLREP # 53

I. SITUATION (1800 HRS. 9-26-85)

- A. REMOVAL RESOURCES MOBILIZED.**
- B. PERSONNEL ON SCENE:**
 - EPA-1 USCG/AST-2 TAT-2**
 - ERT-1 USCG/PST-1 ERCS-10**
- C. SITE PREPARATIONS BEGUN.**

II. ACTIONS TAKEN

- A. RED DOG HAS BEEN USED AS A SUBFLOOR BASE UNDER CONCRETE CONTINGENCY PADS TO INSURE THE INTEGRITY OF THE STRUCTURES BECAUSE OF THE LOW UNDERLYING GROUNDWATER. CONCRETE CONTINGENCY PADS AND DIKES INSTALLED BE ERCS 9-25-85.**
- B. CONTINGENCY PLAN DEVELOPED BY OSC AND USCG/AST.**
- C. OPERATIONAL CODES FOR THE SITE (METHANOL) COORDINATED BY OSC WITH CDC (BUCKY WALTERS).**
- D. AIR MONITORING PLAN DEVELOPED BY TAT AND OSC AND SUBMITTED TO A. ZOWNIR FOR ERT REVIEW.**
- E. SUPPORT SERVICES ARRIVED ON SCENE:**
 - 1. COMMAND POST AND UTILITIES**
- F. REMOVAL COST MANAGEMENT PROGRAM IMPLEMENTED.**
- G. OSC COORDINATING CONTRACTUAL MATTERS WITH T. FERRIS EPA/HQ. A. ZOWNIR ASSISTING OSC.**
- H. VIDEO DOCUMENTATION IMPLEMENTED BY USCG/AST.**
- I. WATER SUPPLY ANALYSIS FOR THE ROCK LICK MINE, MINDEN MINE, AND POST OFFICE SPRING SUBMITTED THE FAYETTE TRIBUNE THRU GUIDANCE FROM OPA RAY GERMANN ON 9-25-85.**
- J. CONTINGENCY BERM ALONG ARBUCKLE CREEK COMPLETED 9-23-85.**
- K. FINAL CONSTRUCTION GRADE OF SITE COMPLETED 9-25-85.**

III. FUTURE PLANS

- A. UNITS FOR EXTRACTION PROCESS TO BEGIN ARRIVING 9-27-85 AND WILL BE STAGED PRIOR TO ASSEMBLY.**
- B. SPCC PLAN TO BE DEVELOPED.**
- C. SITE OPERATIONS PLANNING AND PREPARATION TO CONTINUE.**
- D. ENVIRONMENTAL MONITORING PLANS TO BE DEVELOPED.**
- E. OSC TO BRIEF WV AIR POLLUTION BRANCH.**
- F. OSC TO MEET WITH OES IN REFERENCE TO PROJECT ON 10-7-85.**

**ROBERT E. CARON
ON SCENE COORDINATOR, USEPA REGION III**

100396

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT CO. SITE
MINDEN, WV

POLREP # 54

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION: (1100 HRS 9-30-85)

A. OSC CONTINUES TO WORK CLOSELY WITH HQ CONTRACTS (TIM FERRIS) AS REGARDS TO EPA NEGOTIATIONS POSITION TO DETERMINE EQUIPMENT RATES. OSC EXTREMELY PLEASED WITH CONTRACTS EFFORTS, HOWEVER, DUE TO THE SENSITIVITY SURROUNDING THIS ISSUE, WORK ON SITE AND CLOSE COORDINATION HAS BEEN IMPACTED. O.H.M. CONTINUES TO RAISE ISSUES SUCH AS BASE OR OPTION YEAR BILLING RATES THAT HAVE MADE ACCURATE DAILY COST TRACKING (1900-55) ALMOST IMPOSSIBLE. THE OSC HAS PRESSED CONTRACTS TO RECTIFY THESE SITUATIONS AND REMOVE THE OSC FROM CONTRACTS ISSUES THAT ARE NOT OSC RESPONSIBILITIES.

B. OSC HAS IMPLEMENTED EPA'S NEW COMPUTERIZED COST TRACKING SYSTEM. O.H.M. DOES NOT RECOGNISE THIS SYSTEM, HAVING DEVELOPED THEIR OWN SYSTEM. O.H.M.'S SYSTEM PERFORMS OTHER, ERCS ADMINISTRATIVE FUNCTIONS WHICH EPA'S DOES NOT. THEREFOR, OHM HAS PROVIDED THEIR OWN COMPUTER, AT NO COST TO THE PROJECT. RATHER THAN RAISE ANOTHER ISSUE, AND DUE TO THE SENSITIVITY SURROUNDING BILLING AND RATES, THE OSC INTENDS TO UTILIZE EPA'S SYSTEM SEPERATELY, RECEIVING HAND WRITTEN 1900-55 FORMS WHICH ARE THEN INPUTTED. THE OSC HAS DECIDED THAT ONLY EPA'S COMPUTER GENERATED 1900-55 WHICH ARE THEN INPUTTED. THE OSC HAS DECIDED THAT ONLY EPA'S COMPUTER GENERATED 1900-55 WILL BE SIGNED, AFTER REVIEW AND ACCEPTANCE BY OHM RESPONSE MANAGER.

C. OSC AND ERT (A. ZOWNIR), AT THE REQUEST OF EPA CONTRACTS, COMPLETED A TECHNICAL EVALUATION OF THE PROCESS SYSTEM AND PROVIDED WRITTEN DOCUMENTATION. THIS INFORMATION TO BE USED BY CONTRACTS FOR DEVELOPING NEGOTIATIONS POSITIONS.

D. MR. LARRY ROSE, CITIZENS TO SAVE THE PLATEAU, ARRIVED ON SITE 9/27 AND MET WITH OSC. THE OSC HAS MADE THE COMPLETE SITE FILE AVAILABLE UNDER FOIA. MR. ROSE WILL BEGIN COPYING FILE ON 10/1/85.

E. OPA (RAY GERMANN) AND WVDNR (KIM FETTY) COORDINATING ARRANGEMENTS FOR A MAJOR PRESS AVAILABILITY ON OR AROUND 10/11/85. OSC WORKING CLOSELY WITH THESE INDIVIDUALS AS REGARDS TO CITIZENS' GROUPS AND COMMUNITY RELATIONS. DOOR-TO-DOOR CONTACT TO BE MADE.

F. COMMAND POST TELEPHONE NUMBERS:

304-469-9676
304-469-6059

G. PERSONNEL ON SCENE:

EPA-1 USCG/AST/PST-3
TAT-2 ERCS-3

100337

II. ACTIONS TAKEN

A. 9/27/85 EXTRACTION UNIT, MEOH DRYERS, MEOH STORAGE TANKERS AND DECON TRAILER MOBILIZED ON SITE.

B. COMMAND POST SET UP AND OPERATIONAL.

C. AIR MONITORING, FIRE FIGHTING, SPCC CONTINGENCY PLANS DRAFTED AND SUBMITTED TO OHM AND ERT FOR COMMENT.

D. SITE FILES UPDATED AND DRESSED IN ANTICIPATION OF FOIA REQUEST.

E. OFF-SITE AIR MONITORING STATIONS SET UP.

F. SITE DRESSED UP AND GRADED, FENCING REPAIRED AND GATES INSTALLED.

G. SITE SAFETY PLAN UPGRADED AND SUBMITTED TO ALL PARTIES FOR REVIEW AND COMMENT. PLAN TO BE FINALIZED BY 10/7/85.

H. OSC DELEGATED SPECIFIC DUTIES TO SITE STAFF AS FOLLOWS:

**SITE SAFETY OFFICER- USCG/AST DCC FOX
COST CONTROL (COMPUTER)- TAT
AIR MONITORING OFFICER- TAT
SITE ACTIVITIES DOCUMENTATION- USCG/AST
CONTRACTOR MONITORING- USCG/PST**

I. OSC CONDUCTING REGULAR MEETINGS WITH RESPONSE MANAGER AND SITE STAFF TO MAINTAIN CLOSE COORDINATION.

J. OSC AND USCG/AST HAVE BEGUN LAYOUT PLANS FOR VIDEO AND SLIDE DOCUMENTATION.

III. FUTURE PLANS

A. ADDITIONAL EQUIPMENT, LAMELLA SEPARATOR, SOIL DRYER, BAG FILTERS, MEOH CONDENSER AND PIPING TO BE MOBILIZED THIS DATE AND OFF-LOADED 10/1/85.

B. OSC EXPECTING COMPLETE AND FINALIZED BLUEPRINTING.

C. OSC TO BE AVAILABLE TO CONTRACTS FOR NEGOTIATIONS WHICH BEGIN WEDNESDAY 10/2/85.

D. OSC TO MEET WITH WV AIR POLLUTION CONTROL (FRED SIZEMORE) ON 10/3/85 TO GO OVER PROCESS PARTICULARS AS REGARDS POTENTIAL FOR AIR POLLUTION, IF ANY.

E. OSC TO PROVIDE BRIEFING TO WVDES PERSONNEL AT THEIR REGULAR MONTHLY MEETING ON 10/7/85.

ROBERT E. CARON, OSC

EPA REGION III

PHILA., PA

100398

CERCLA IMMEDIATE REMOVAL
SHAFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 55

I. SITUATION (1700 HRS, 10/2/85)

- A. PROCESS EQUIPMENT CONTINUES TO BE MOBILIZED.
- B. WEATHER: COOL, INTERMITTENT RAIN, 50-60 DEGREES.
- C. PERSONNEL ON SCENE:
EPA-1 USCG/AST/PST-3
ERCS-11 TAT-2
- D. IMPLEMENTATION OF EPA'S COST TRACKING COMPUTER SYSTEM CONTINUES TO BE A PROBLEM.
- E. OSC INFORMED OHM THAT THIS SITE IS NOT TO BE USED FOR OHM MARKETING WITHOUT EPA'S EXPRESSED PERMISSION.

II. ACTIONS TAKEN

- A. PROCESS EQUIPMENT CONTINUED TO BE OFFLOADED (SOIL DRYER, CARBON CELLS, BAG FILTERS AND MISC. FITTINGS) AND PLACED IN PROPER PLACE IN SITE LAYOUT.
- B. OSC COORDINATED WITH CITIZENS TO SAVE THE PLATEAU REP. LARRY ROSE RE. AVAILABILITY OF SITE FILES TO MEET FOIA REQUEST. MR. ROSE RESCHEDULED HIS SITE VISIT FOR 10/10/85.
- C. OSC COORDINATED WITH WV AIR POLLUTION CONTROL (FRED SIZEMORE) REGARDING AIR POLLUTION POTENTIAL OF THE PROCESS. MR. SIZEMORE AGREED THAT IF A LETTER WAS SUBMITTED BY THE OSC STATING PROCESS PARTICULARS, A PERMIT WOULD NOT BE REQUIRED.
- D. ELECTRICAL CAPACITY OF THE SITE WAS UPGRADED BY INSTALLING ADDITIONAL POWER LINES TO MEET PROCESS REQUIREMENTS.
- E. WATER COMPANY ON SCENE 9/30 TO COORDINATE WATER SUPPLY TO PROCESS.
- F. MOBILE LAB ON SCENE THIS DATE.
- G. A REPORTER FROM THE CHARLESTON GAZETTE WAS ON SCENE 10/1 TO INTERVIEW THE OSC ON SITE STATUS.
- H. ERT FEEDBACK ON THE OFF-SITE AIR MONITORING PLAN WAS RECEIVED 9/30. ERT RECOMMENDED THE ADDITION OF A "FLOATING" STATION DIRECTLY DOWNWIND OF THE SITE AND THE USE OF A RAM PARTICULATE COUNTER. AIR MONITORING PLAN WAS UPGRADED ACCORDINGLY.
- I. COST CONTROL/TRACKING REMAINS BEHIND DUE TO THE DECISION TO USE OPTION YEAR RATHER THAN BASE YEAR ERCS RATES.

III. FUTURE PLANS

- A. OSC TO MEET WITH WVAFC FRED SIZEMORE 10/7/85.
- B. PROCESS UNITS DELIVERY AND SYSTEM ASSEMBLY TO CONTINUE.
- C. OSC TO DEMOBE TO REGIONAL OFFICE COB 10/3/85, TO RETURN 10/7/85.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100399

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 56

I. SITUATION (1930 HRS., 10/3/85)

A. PCB EXTRACTION PROCESS UNITS CONTINUE TO BE DELIVERED AND ASSEMBLED.

B. WEATHER: COOL (50'S) AND OVERCAST

C. PERSONNEL ON SCENE:

EPA-1	USCG/AST/PST-3
TAT-2	ERCS-14

D. EST. COST TO DATE (COB 10/3/85)

		CEILING
EPA	\$ 13,170	\$ 20,000
USCG AST/PST	38,077	90,000
TAT	91,270	150,000
ERCS	852,562	1,250,000
UNCOMMITTED	—	790,000
TOTAL PROJECT	\$995,079	\$2,300,000

E. TAT ACTIVELY WORKING OUT BUGS IN EPA'S COMPUTERIZED COST TRACKING SYSTEM.

II. ACTIONS TAKEN

A. OSC RETURNED TO THE REGIONAL OFFICE (PHILA.) C.O.B. THIS DATE TO TEND TO REGIONAL COMMITMENTS. USCG/AST DCC FOX WILL ACT AS OSC REPRESENTATIVE UNTIL THE OSC'S RETURN ON 10/7/85.

B. "GRIZZLEY" (SOLIDS PARTICLE REDUCER/CRUSHER) WAS DELIVERED AND MOVED INTO PLACE WITH A CRANE. ALSO DELIVERED WERE 6 CENTRIFUGAL PUMPS, LAMELLA SEPARATOR AND 60 GAL CONDENSATE TANK. LAMELLA SEPARATOR WAS PLACED INTO "PIT". PVC PIPING WAS DELIVERED AND STAGED UNTIL NEEDED.

C. ELECTRICAL CABLE WAS BURIED FOR POWER SUPPLY TO DECON TRAILER. TWO ADDITIONAL TRANSFORMERS WERE MOUNTED.

D. FLOOD LIGHTS WERE MOUNTED AND OPERATIONAL TO ENABLE WORK TO CONTINUE PAST DUSK AND FOR SECURITY MEASURES.

100400

E. WATER PIPING WAS CONNECTED FROM THE MAIN LINE.

F. THE REMAINING CEMENT DIKE WALL OF THE METHANOL STORAGE PAD WAS CONSTRUCTED AND INTERNALLY VIBRATED.

G. WELDING WAS BEGUN ON METHANOL DRYER CHUTE JOINTS AND PIPING JOINTS.

H. JOE KIRK (OHM REPRESENTATIVE) WAS ON SCENE.

I. EXTRACTOR POWER WAS TURNED ON AND THE UNIT WAS MECHANICALLY TESTED. A SAFETY VIOLATION WAS CITED AND DOCUMENTED FOR METHOD OF CONNECTING POWER SOURCE TO EXTRACTOR.

J. THE OSC POSTPONED THE MEETING WITH WV AIR POLLUTION CONTROL REP. FRED SIZEMORE UNTIL 10/7/85 BECAUSE THE OSC WILL BE OUT OF TOWN ON 10/3.

K. A LOCAL RESIDENT WAS ON SCENE TO SPEAK WITH THE OSC ABOUT SITE PROGRESS.

L. COST TRACKING ON THE COMPAQ SYSTEM REMAINS BEHIND DUE TO NUMEROUS PORGRAM AND POWER DOWNTIME DURING UTILITY WORK ON SITE.

M. OSC AND ERCS RESPONSE MANAGER HELD A CONFERENCE CALL WITH EPA CONTRACTS (TIM FARRIS) RE. PROBLEMS WITH ACCESSING ADDITIONAL FUNDS. OSC AND RM ACTIVELY DEVELOPING FALL BACK POSITIONS IN THE EVENT THAT PROJECT IS NOT COMPLETELY FUNDED. OSC HAS INFORMED ALL REGIONAL AND HQ PERSONNEL THAT THE ORIGINAL FINDINGS AS APPROVED IN ALL FUNDING DOCUMENTS STILL STANDS AND THAT THIS SITE STILL PRESENTS A THREAT. THE OSC REFUSES TO BE INVOLVED IN ANY EFFORT REGARDING REAPPROPRIATION.

III. FUTURE PLANS

A. ERCS TO CONTINUE MOBILIZING AND ASSEMBLING PROCESS AND UNITS.

B. TAT TO CONTINUE INPUT OF BACKLOG DAILIES.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100401

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

POLREP 57

ATTN: TIM FIELDS AND TOM MASSEY

I. SITUATION (1930 HRS., 10/4/85)

A. OSC REMAINS IN PHILA.- USCG/AST DCC FOX ACTING AS OSC REP.

B. WEATHER: PARTLY CLOUDY, 60-70 DEG.

C. PERSONNEL ON SCENE:

USCG/AST/PST-3

TAT-2

ERCS-21

D. EST. COST TO DATE (COB 10/4/85)

		CEILING
EPA	\$ 13,170	\$ 20,000
USCG AST/PST	39,439	90,000
TAT	98,885	150,000
ERCS	864,663	1,250,000
UNCOMMITTED	—	790,000
TOTAL PROJECT	\$1,009,447	\$2,300,000

II. ACTIONS TAKEN

A. PROCESS ASSEMBLY CONTINUED W/ WELDING AND PIPE FITTING.

B. RUBBER GASKETS WERE INSTALLED ON THE METHANOL DRYER AND AND CHUTE BETWEEN THE DRYER AND EXTRACTOR UNITS.

C. AN UNDERGROUND WATER LINE WAS INSTALLED TO THE MOBILE LAB AND DECON TRAILER.

D. ACCUMULATED RAINWATER WAS PUMPED FROM THE LAMELLA SEPARATOR "PIT" AND COVER GASKETS AND DISCHARGE PIPING INSTALLED.

E. TWO ADDITIONAL WELDERS WERE DELIVERED TO REPLACE THE MALFUNCTIONING ONE ON SITE.

F. OHM JOE KIRK AGAIN ON SCENE, ACCOMPANIED BY 5 VISITORS.

G. GAS LINE WAS INSTALLED ON NORTH END OF SITE.

H. ONE CONDENSATE TANK AND PIPE THREADER WERE DELIVERED.

I. FAULTS IN COMPAQ PROGRAM COORDINATED W/ TAT AND ERT. COST TRACKING ENTRY CONTINUED.

III. FUTURE PLANS

A. PROCESS ASSEMBLY TO CONTINUE. REMAINING UNITS EXPECTED ON SITE 10/7/85.

B. COST TRACKING ON COMPAQ SYSTEM TO BE BROUGHT UP TO DATE.

C. AS A COST-SAVING MEASURE, USCG SUPPORT PERSONNEL WILL BE REDUCED TO 2/DAY OVER THE WEEKEND.

D. OSC EXPECTED BACK ON SITE 10/7/85.

**ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA**

100402

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 18-Oct-85 8:40 EDT Sys 63 (75)
Subject: SHAFFER EQUIPMENT POLREP 58

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WEST VIRGINIA

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 58

I. SITUATION (1930 HRS., 10/6/85)

- A. EXTRACTOR PROCESS ASSEMBLY CONTINUES:
ENGINEERING 95% COMPLETE
PIPING/FABRICATION 40% BLACK IRON PIPING COMPLETE*
ELECTRICAL 50% COMPLETE*
* NOT INCLUDING NITROGEN AND STEAM SYSTEMS

- B. PERSONNEL ON SCENE:
USCG AST/PST-2
TAT-2
ERCS-24

C. EST. COST TO DATE (COB 10/6/85)		CEILING
EPA	\$ 13,170	\$ 20,000
USCG AST/PST	40,080	90,000
TAT	98,885	150,000
ERCS	890,335	1,125,000
UNCOMMITTED		790,000
PROJECT TOTAL	\$1,042,490	\$2,300,000

- D. WEATHER: MOSTLY SUNNY, 50-60 DEG

- E. OSC REMAINED AT REGIONAL OFFICE OVER THE WEEKEND DUE TO OTHER REGIONAL COMMITMENTS, TO RETURN 10/7/85.

II. ACTIONS TAKEN

- A. MOBILE STEAM PLANT (BOILER) DELIVERED 1730 HRS THIS DATE.
B. CONDUIT FROM ELECTRICAL PANEL WAS LAID UNDERGROUND TO THE EXTRACTOR PAD.

- C. CHEMIST WAS PREPARING MOBILE LAB TO BE OPERATIONAL. ELECTRICITY AND WATER PROVIDED TO LAB TRAILER AND INSTRUMENTS TESTED.

- D. LEVEL SENSOR METERS WERE INSTALLED ON THE BOILER CONDENSATE RETURN TANK AND LAMELLA SEPARATOR.

- E. COST TRACKING/INPUT OF CONTRACTOR DAILIES INTO COMPAQ SYSTEM CAUGHT UP. ALL DAILIES THAT HAVE BEEN SUBMITTED BY CONTRACTOR TO EPA HAVE BEEN INPUT INTO COMPAQ SYSTEM.

III. FUTURE PLANS

- A. AUGERS EXPECTED TO BE ON SCENE TOMORROW 10/7/85.
B. PROCESS HOOKUP AND LAB PREPARATION TO CONTINUE.
C. OSC AND TAT TO MEET WITH WVOES IN CHARLESTON, WV TOMORROW 10/7/85.
D. OSC TO MEET WITH WV AIR POLLUTION CONTROL (FRED SIZEMORE) 10/7/85.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100403

**CERCLA IMMEDIATE REMOVAL
SHAFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 59

I. SITUATION (1930 HRS., 10/8/85)

A. PERSONNEL ON SCENE:

EPA-1	TAT-2
USCG AST/PST-3	ERCS-24
WVDNR-1	

B. EST COST TO DATE (COB 10/7/85)

		CEILING
EPA	\$ 13,411	\$ 20,000
USCG AST/PST	40,882	90,000
TAT	101,380	150,000
ERCS	902,079	1,250,000
UNCOMMITTED		790,000
TOTAL PROJECT	\$1,057,752	\$2,300,000

C. WEATHER: SUNNY, 60'S

D. EXTRACTION PROCESS ASSEMBLY CONTINUES; DEMONSTRATION DEADLINE OF 10/11/85 APPROACHING.

E. OSC STILL AWAITING COMPLETION OF CONTRACTS NEGOTIATIONS AND ESTABLISHMENT OF RATES FOR THIS NEW EQUIPMENT.

II. ACTIONS TAKEN

A. PROCESS ASSEMBLY/FABRICATION CONTINUED (WELDING & PIPING). "GRIZZLEY" PARTICLE REDUCER WAS PLACED IN PROPER LOCATION. 12 AND 16-INCH AUGERS WITH TROUGHS WERE DELIVERED 10/7 IN A BOX TRAILER WHICH WILL REMAIN ON SITE AS A STORAGE TRAILER AT NO COST TO THE PROJECT.

B. OSC AND TAT ATTENDED MONTHLY OES MEETING IN CHARLESTON 10/7/85 AND UPDATED OES ON SITE PROGRESS.

C. OSC MET WITH FRED SIZEMORE OF WV AIR POLLUTION CONTROL

D. OHM JOE KIRK AND SAM INSALACO ON SCENE.

E. OSC SUBMITTED MEMO TO FILE EXPLAINING LATE SIGNATURE (10/7/85) DATE ON EPA COST TRACKED DAILIES.

F. WVDNR KIM FETTY VISITED THE SITE 10/7/85.

G. OSC ARRIVED ON SITE 1630 HOURS 10/7/85 BUT WAS REQUIRED TO ATTEND REGIONAL MEETING 10/8/85.

H. MOBILE LAB SET UP AND OPERATIONAL.

I. OSC AND PUBLIC AFFAIRS COORDINATING ON SCENE PRESS CONFERENCE FOR WEEK OF 10/14.

III. FUTURE PLANS

A. PROCESS UNIT ASSEMBLY TO CONTINUE IN ANTICIPATION OF 10/11/85 DEMONSTRATION DEADLINE.

B. CITIZENS GROUP PRINCIPALS TO BE ON SCENE 10/10/85.

ROBERT E. CARON, OSC
EPA REGION III

1003404

SHAFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 60

I. SITUATION (1930 HRS., 10/9/85)

A. PERSONNEL ON SCENE:

EPA-1	TAT-2
USCG AST/PST-3	ERCS-24

B. EST. COST TO DATE (COB 10/8/85):

		CEILING
EPA	\$ 13,506	\$ 20,000
USCG AST/PST	42,107	90,000
TAT	101,908	150,000
ERCS	913,369	1,250,000
UNCOMMITTED	-----	790,000
TOTAL PROJECT	\$1,070,890	\$2,300,000

C. WEATHER: SUNNY, DRY, 60'S

D. PROCESS ASSEMBLY CONTINUES, ALMOST COMPLETE.

E. OSC AWAITING COMPLETION OF CONTRACTS NEGOTIATIONS AND ESTABLISHMENT OF RATES FOR THIS NEW EQUIPMENT.

F. OSC AGAIN REQUESTS ADVICE AND GUIDANCE REGARDING FUNDING FOR THIS ALREADY APPROVED PROJECT.

G. OSC INFORMED BY HQ/ERD COLLEEN CARUTHERS THAT A P.R. IS NOT NEEDED FOR EITHER TAT OR EPA. THEREFORE, ONLY USCG AND ERCS ARE TRACKABLE AGAINST SIGNED P.R.'S.

II. ACTIONS TAKEN

A. AUGERS AND CHUTES INSTALLED IN PROPER LOCATIONS FOR SOIL TRANSPORT THROUGH SYSTEM.

B. SHELTER WAS BUILT AROUND ELECTRICAL CONTROL PANEL.

C. TEN SAMPLES WERE OBTAINED FOR BACKGROUND VALUES FROM STREAM BED, SURROUNDING SOILS, AND CONTAMINATED SOIL. SAMPLES TO BE ANALYZED IN MOBILE LAB.

D. OSC COORDINATING WITH OPA RAY GERMAN IN PREPARATION FOR ON SITE PRESS CONFERENCE WEEK OF 10/14.

E. WV OES REQUESTED OSC'S PRESENCE AT OES'S NEXT MONTHLY MEETING SCHEDULED FOR 11/4/85.

III. FUTURE PLANS

A. ELECTRICAL AND WELDING/PIPING TO COMPLETE PROCESS ASSEMBLY IN ANTICIPATION OF DEMONSTRATION DEADLINE OF 10/11/85.

B. EXTRACTION PROCESS TO BE MECHANICALLY, ELECTRICALLY, AND PRESSURE TESTED THIS WEEKEND 10/12,13/85.

C. OSC AND OPA TO SCHEDULE ON SITE PRESS CONFERENCE FOR WEEK OF 10/14/85.

D. CITIZENS GROUP REP. LARRY ROSE TO BE ON SITE TOMORROW 10/10/85 TO REVIEW OSC SITE FILES UNDER FOIA.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

AR100405

100405

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 22-Oct-85 8:19 EDT Sys 63 (106)
Subject: SHAFFER EQUIPMENT POLREP 61
CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 61

I. SITUATION (1930 HRS., 10/10/85)

A. PERSONNEL ON SCENE:

EPA-1 WVAPC-2
USCG AST/PST-3 CITIZENS GROUP-3
TAT-2
ERCS-24

B. EST. COST TO DATE (COB 10/9/85)

		CEILING
EPA	\$ 13,722	\$ 20,000
USCG AST/PST	42,908	90,000
TAT	103,403	150,000
ERCS	937,325	1,250,000
UNCOMMITTED	---	790,000
TOTAL PROJECT	\$1,097,358	\$2,300,000

C. WEATHER: MOSTLY SUNNY, 65-75 DEG.

D. PROCESS ASSEMBLY ESSENTIALLY COMPLETE.

E. OSC AND OPA COORDINATING PRESS RELEASE CONFERENCE FOR 10/16/85 (WEDNESDAY) AT 1400 HRS. OSC WOULD LIKE TO FORMALLY INVITE BOTH REGIONAL AND HQ PERSONNEL TO PARTICIPATE AND VIEW SITE. ARRANGEMENTS CAN BE MADE BY CALLING THE COMMAND POST AT 304-469-9676.

II. ACTIONS TAKEN

A. COMPLETED PROCESS WORK TO DATE:

- GRIZZLEY IN POSITION; CONNECTION WELDED TO WATER/SOIL DRYER.
- AUGERS IN PLACE FROM METHANOL DRYER TO CLEAN SOIL PAD, FROM SOIL/WATER DRYER TO EXTRACTOR
- EXTRACTOR CONNECTED TO METHANOL DRYER.
- PIPING FROM EXTRACTOR TO LAMELLA SEPARATOR CONNECTED; LAMELLA SEPARATOR PUMPS AND PIPING IN PLACE.

100406

- PIPING, PUMPS AND COMPRESSOR UNIT CONNECTED FOR METHANOL CONDENSER.
- PIPING FOR CARBON CELLS, BAG FILTER SYSTEMS AND METHANOL STORAGE TANKS AND ASSOCIATED PUMPS CONNECTED.
- GAS FEED LINES CONNECTED TO BOILER.
- PUMPS AND MOTORS WIRED BY ELECTRICIANS.
- TRANSFORMERS MOVED FROM UTILITY POLE NEXT TO METHANOL STORAGE AREA TO NEWLY ERECTED UTILITY POLE ACROSS SERVICE ROAD AS A SAFETY MEASURE.

B. REPORTER FROM FAYETTE TRIBUNE ON SCENE TO INTERVIEW OSC ON SITE PROGRESS.

C. TWO PERSONNEL FROM WV AIR POLLUTION CONTROL WERE ON SCENE AND GIVEN SITE TOUR AND COPIES OF SITE SAFETY, CONTINGENCY AND AIR MONITORING PLANS.

D. FAULTS AND BUGS IN COMPUTER COST TRACKING PROGRAM (COMPAQ) COORDINATED BY TAT THROUGH ERT BOB CIBULSKIS. TAT AND OSC TO SUBMIT A MEMO SUMMARIZING PROBLEMS ENCOUNTERED WITH GETTING THIS SYSTEM ON LINE.

E. LARRY ROSE, PAUL MCGEE, AND ATTNY JOHN MCFAREN (CITIZENS GROUP) ON SCENE TO REVIEW OSC SITE FILE UNDER FOIA BUT WERE UNABLE TO MAKE COPIES DUE TO POWER OUTAGE DURING ON SITE UTILITY WORK. TO RETURN DURING SITE PRESS DEMONSTRATION WEEK OF 10/14.

F. OSC, OPA, AND CITIZENS GROUP HELD CONFERENCE CALL DURING GROUP'S VISIT. CITIZENS GROUP APPEARS MUCH MORE POSITIVE ABOUT EPA'S ACTIONS, HOWEVER ARE STILL CONCERNED ABOUT RESIDENTS' HEALTH. GROUP INVITED TO RECEIVE A SITE TOUR TUES. 10/15/85.

III. FUTURE PLANS

A. NITROGEN (AND STORAGE TANKS) AND METHANOL TO BE DELIVERED 10/12 AND 10/14.

B. STEAM LINES TO BE CONNECTED AND INSULATED 10/12/85.

C. ELECTRICAL WIRING TO BE COMPLETED 10/12.

D. SYSTEM TO BE ELECTRICALLY, MECHANICALLY, AND PRESSURE TESTED 10/12-14/85.

E. OSC STILL AWAITS CONTRACTS NEGOTIATIONS ON RATES FOR THIS NEW EQUIPMENT.

F. OSC AND OPA SCHEDULED ON SITE PRESS CONFERENCE FOR 10/16/85.

G. OSC TO SUBMIT MEMO TO WVAPC RE. PERMIT EXEMPTION FOR THIS EXTRACTION SYSTEM BY COB 10/14.

H. AIR MONITORING EQUIPMENT TO BE CALIBRATED AND TESTED BY COB 10/14/85.

100407

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 62

I. SITUATION (1930 HRS., 10/11/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/PST-3
TAT-2
ERCS-25

B. EST. COST TO DATE (COB 10/10/85)

		CEILING
EPA	\$ 13,972	\$ 20,000
USCG AST/PST	43,710	90,000
TAT	104,899	150,000
ERCS	949,950	1,250,000
UNCOMMITTED	-----	790,000
 TOTAL PROJECT	 \$1,112,531	 \$2,300,000

C. WEATHER: CLOUDY, HUMID, 60'S

D. PROCESS ASSEMBLY ESSENTIALLY COMPLETE; LEAK TESTING TO BEGIN.

E. OSC STILL AWAITING OFFICIAL WORD FROM HQ CONTRACTS AS TO PROVISIONAL RATES FOR NEW EQUIPMENT.

II. ACTIONS TAKEN

A. TWO WV AIR POLLUTION CONTROL PERSONNEL REVISITED THE SITE AND INFORMED THE OSC THAT THIS PROCESS REQUIRES A DISCHARGE PERMIT. THE OSC EXPLAINED THAT IT IS DESIGNED FOR ZERO DISCHARGE AND CITED 40 CFR SEC. 300.65 (REMOVALS) THAT EXEMPTS CERCLA REMOVALS FROM PERMIT REQUIREMENTS BUT REQUIRES THAT HEALTH AND ENVIRONMENTAL STANDARDS BE UPHELD. A CONFERENCE CALL WAS HELD BETWEEN WVAPC, OSC AND BRANCH CHIEF TOM VOLTAGGIO. A LETTER FROM THE OSC (THRU T. VOLTAGGIO) TO CARL BEARD OF WVAPC WAS SUBMITTED CERTIFYING EPA'S POLICY TO MEET AND/OR EXCEED TECHNICAL REQUIREMENTS.

B. GRANULAR ACTIVATED CARBON WAS DELIVERED AND STAGED NEAR CARBON CELLS. LIQUID NITROGEN 6000-GAL STORAGE TANK AND 3 VAPORIZER UNITS ALSO DELIVERED AND PLACED IN PROPER LOCATION.

100408

C. STEAM LINES FROM BOILER WERE INSTALLED UNDERGROUND.

D. GAS COMPANY WAS ON SCENE TO PRESSURE TEST LINE. GAS TURNED ON TO SUPPLY BOILER.

E. METHANOL LINES WERE LEAK TESTED.

F. OSC CONTACTED ERT ANDY ZOWNIR AND REQUESTED HIS PRESENCE AND/OR INPUT DURING SYSTEM STARTUP EARLY NEXT WEEK.

G. MOBILE LAB STANDARDIZING AND CALIBRATING EQUIPMENT FOR PCB AND METHANOL.

H. OFF-SITE AIR MONITORING STATIONS WERE MADE MORE ACCESSIBLE BY CLEARING THICK BRUSH.

III. FUTURE PLANS

A. SYSTEM TESTING TO CONTINUE OVER WEEKEND.

B. METHANOL TO BE DELIVERED MON 10/14/85.

C. NO SMOKING ZONES TO BE EXPANDED AND ENFORCED.

D. ON SITE PRESS CONFERENCE SCHEDULED FOR 10/16/85. OSC AGAIN EXTENDS INVITATIONS TO ANY AND ALL HQ OR REGIONAL PERSONNEL.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100409

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 63

I. SITUATION (1930 HRS., 10/13/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/PST-3
TAT-2
ERCS-25

B. EST. COST TO DATE (COB 10/12/85)

		CEILING
EPA	\$ 14,475	\$ 20,000
USCG AST/PST	45,315	90,000
TAT	109,385	150,000
ERCS	981,000	1,250,000
UNCOMMITTED	-----	790,000
TOTAL PROJECT \$1,150,175		\$2,300,000

C. WEATHER: MOSTLY SUNNY, 70'S

D. PROCESS TESTING ONGOING; TEST RUN SCHEDULED FOR TOMORROW 10/14/85.

E. OSC MET WITH PROPERTY OWNER TO ESTABLISH LANDFARM AREA FOR TREATED SOILS.

F. CITIZENS GROUP APPEARS SATISFIED WITH THE RESULTS OF THIS CLEANUP.

II. ACTIONS TAKEN

A. PROCESS TESTING CONTINUES. FINAL REVISIONS TO BE COMPLETED SUCH AS ELECTRICAL CONNECTIONS AND PIPE INSULATION.

B. MEMO WAS SUBMITTED TO ERT BOB CIBULSKIS LISTING PROBLEMS ENCOUNTERED WITH THE EPA COST TRACKING SYSTEM.

C. AIR SAMPLING AND MONITORING EQUIPMENT WAS TESTED.

100410

D. ERCS COMMENTS ON SAFETY PLAN REVIEWED BY OSC AND SITE SAFETY OFFICER.

E. OSC WORKING WITH OHM CHEMISTS AND ENGINEERS TO DEVELOP FAST TURNAROUND ANALYSIS AND QA/QC PROGRAM FOR MOBILE LAB. ESTIMATED

30% OF ALL SAMPLES TO BE RUN VIA METHOD 605 FOR CROSS CHECK. TAT TO BE RESPONSIBLE FOR ALL AIR SAMPLING.

III. FUTURE PLANS

A. METHANOL TO BE DELIVERED TOMORROW 10/14.

B. SAFETY PLAN TO BE REVIEWED WITH ERCS RESPONSE MANAGER AND FINAL UPGRADE TO BE MADE BEFORE REVIEW WITH SITE CREW.

C. DEMONSTRATION SCHEDULED ON SITE FOR TUES. 10/15.

D. ON SITE PRESS CONFERENCE SCHEDULED FOR 10/16/85.

E. PREPARATIONS BEING MADE FOR INCREASING NUMBER OF SUPPORT STAFF AND CREW IN ANTICIPATION OF 24-HOUR OPERATION.

F. OSC AND OPA (RAY GERMANN) TO ARRANGE A PERSONAL TOUR WITH CITIZENS' GROUP.

G. OSC TO BEGIN CONTACTING THOSE INDIVIDUALS (IE., STATE OF MARYLAND AND NEW JERSEY) TO ARRANGE A SITE VISIT. OSC AGAIN EXTENDS INVITATION TO ANY AND ALL REGIONAL OR HQ PERSONNEL.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

1004.

AR100411

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 64

I. SITUATION (1930 HRS., 10/14/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/PST-3
TAT-2
ERCS-26

B. EST COST TO DATE (COB 10/13/85)

		CEILING
EPA	\$ 15,060	\$ 20,000
USCG AST/PST	46,140	90,000
TAT	109,383	150,000
ERCS	1,000,525	1,250,000
UNCOMMITTED		790,000
TOTAL PROJECT	\$1,171,108	\$2,300,000

C. WEATHER: MOSTLY SUNNY, 70-80 DEG

D. OSC STILL AWAITING OFFICIAL WORD FROM HQ CONTRACTING REGARDING RATES FOR THIS NEW EQUIPMENT.

II. ACTIONS TAKEN

A. SAFETY PLAN REVISED AND REVIEWED WITH ERCS RESPONSE MANAGER.

B. ONE 5000-GAL STORAGE TANK OF METHANOL WAS FILLED.

C. MECHANICAL, ELECTRICAL AND LEAK TESTING CONTINUED.

D. SCRUBBER SYSTEM WAS INSTALLED ON SOIL WATER DRYER STREAM DISCHARGE POINT.

E. PIPING INSULATION WAS INSTALLED.

F. OPERATIONAL AND CONTINGENCY PLANNING REVIEWED.

III. FUTURE PLANS

A. ON SITE DEMONSTRATION SCHEDULED FOR TOMORROW 10/15/85.

B. OSC AND OPA SCHEDULED ON SITE PRESS CONFERENCE FOR 10/16/85.

C. SYSTEM ¹⁰⁰⁴¹² TO BE TESTED WITH CLEAN SOIL TOMORROW 10/15/85 IN ANTICIPATION OF PCB EXTRACTION STARTUP DEADLINE OF 10/16/85.

D. PERMIT EXEMPTION LETTER TO WVAPC TO BE HAND DELIVERED TOMORROW 10/15/85.

**ROBERT E. CARON, OSC
EPA REGION III**

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 17-Oct-85 8:50 EDT Sys 63 (98)
Subject: SHAFFER EQUIPMT POLREP 65

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT CO. SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 65

I. SITUATION (2100 HRS., 10/15/85)

A. PERSONNEL ON SCENE:

EPA OSC-1
EPA ERT-1
EPA OPA-1
USCG AST/PST-3
TAT-2
ERCS-28
WVDNR-1
FAYETTE COUNTY HEALTH-1

**\$1 OAK HILL VOL FIRE DEPT-17
CITIZENS GROUP-8**

B. EST COST TO DATE (COB 10/14/85)

		CEILING
EPA	\$ 15,340	\$ 20,000
USCG AST/PST	46,940	90,000
TAT	110,878	150,000
ERCS	1,019,900	1,250,000
UNCOMMITTED	-----	790,000
TOTAL PROJECT	\$1,193,058	\$2,300,000

C. WEATHER: INTERMITTENT RAIN, 60'S

D. OSC STILL AWAITS HQ CONTRACTS OFFICIAL WORD ON RATES FOR THIS NEW EQUIPMENT.

E. PROCESS PREPARATION COMPLETED.

II. ACTIONS TAKEN

A. FINAL TOUCHES ON SYSTEM COMPLETED.

BREIF SYNOPSIS ON THE EXTRACTION PROCESS:

**PCB-CONTAMINATED SOIL IS LOADED ONTO THE "GRIZZLEY" WHICH
SORTS OUT COARSE PARTICLES FROM FINE. FINER PARTICLES MOVE UP
A CONVEYER BELT AND ARE FED INTO THE SOIL WATER DRYER. SOIL**

100413

THEN MOVES THRU AN AUGER CHUTE WITH A COOLING JACKET IN TO THE EXTRACTOR WHERE METHANOL IS ADDED TO EXTRACT THE PCB FROM THE SOIL. THE SOIL THEN MOVES THRU A CHUTE INTO THE METHANOL DRYER WHERE IT MOVES THROUGH STEAM HEATED AUGERS. THE METHANOL VAPOR GOES TO THE CONDENSER FOR REUSE AND THE SOIL IS TRANSPORTED BY AN AUGER TO THE CLEAN SOIL PAD. THE SOIL WILL THEN BE TESTED FOR PCB CONTENT TO BE SURE THE LEVEL IS BELOW 25 PPM BEFORE LANDFARMING- IF IT IS NOT, IT WILL BE REPROCESSED.

- B. PROCESS FINE TUNING CONTINUED. CLEAN SOIL WAS USED FOR TESTING.
- C. RAY GERMANN (OPA) AND ANDRE ZOWNIR (ERT) WERE ON SCENE.
- D. CITIZENS GROUP WAS ON SCENE TO TOUR SITE AND WAS BRIEFED BY OSC AND OPA ON REMOVAL PROCESS.
- E. KIM FETTY (WVDNR) AND CLARENCE CHRISTIAN (PAYETTE CO. HEALTH) WERE ALSO ON SCENE TO INSPECT EXTRACTION PROCESS.
- F. THE OAK HILL VOLUNTEER FIRE DEPARTMENT WAS ON SCENE TO COORDINATE AND REVIEW EMERGENCY AND CONTINGENCY PROCEDURES WITH THE OSC AND SITE SAFETY OFFICER.
- G. A PRESS RELEASE WAS MADE BY EPA OPA AND PREPARATIONS MADE FOR THE PRESS CONFERENCE ON SITE TOMORROW 10/16.
- H. THREE WIND SOCKS WERE INSTALLED ON SITE.
- I. PERMIT EXEMPTION LETTER FROM OSC WAS HAND DELIVERED TO WV AIR POLLUTION CONTROL (CARL BEARD) 1000 HRS THIS DATE.

III. FUTURE PLANS

- A. PCB SOIL PROCESSING TO BEGIN AS SOON AS TESTING IS COMPLETED.
- B. ERT TO REVIEW ERCS ON-SITE AIR MONITORING PLAN.
- C. PRESS CONFERENCE TO BE HELD ON SITE TOMORROW 10/16/85.
- D. PREPARATIONS FOR INCREASING PERSONNEL/STAFF ARE BEING MADE IN ANTICIPATION OF 24-HOUR PROCESS OPERATION.
- E. AIR MONITORING PROGRAM AND STRICT SITE SAFETY PROTOCOL TO BE INSTITUTED WHEN EXTRACTION PROCESS (METHANOL USE) STARTS UP.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100414

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 17-Oct-85 16:58 EDT Sys 63 (89)
Subject: SHAFFER EQUIPMENT POLREP 66

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT CO. SITE
MINDEN, WV

ATTN: TIM FIEDS AND TOM MASSEY

POLREP 66

I. SITUATION (1930 HRS., 10/16/85)

A. PERSONNEL ON SCENE:

EPA OSC-1
EPA ERT-1
EPA OPA-1
USCG AST/PST-3
TAT-2
ERCS-26
WVDNR-2
WV STATE HEALTH-2
COUNTY HEALTH-2
NEWS MEDIA-17

B. EST COST TO DATE (COB 10/15/85)

EPA	\$ 16,116	CIELING	\$ 20,000
USCG AST/PST	47,812		90,000
TAT	112,373		150,000
ERCS	1,039,405		1,250,000
UNCOMMITTED	-----		790,000
TOTAL PROJECT	\$1,215,706		2,300,000

C. WEATHER: CLEAR, SUNNY, LOW 70'S

D. OSC INFORMED BY HQ CONTRACTS OF NEGOTIATED PROCESS RATE.

E. MEDIA INTEREST HIGH.

F. PROCESS FINE TUNING USING CLEAN SOIL AND MATERIALS REVEALED MINOR LEAK PROBLEMS. ERCS TO CORRECT ALL PROBLEMS PRIOR TO METHANOL USE.

G. SITE WILL BE A DESIGNATED NO SMOKING AREA. THIS INCLUDES THE SUPPORT AREA. A DESIGNATED SMOKING AREA WILL BE ESTABLISHED OFF SITE.

II. ACTIONS TAKEN

A. OSC INFORMED BY HQ CONTRACTS THAT NEGOTIATED RATE FOR NEW PROCESS EQUIPMENT WILL BE \$14,573/DAY.

10041

AR100415

B. PRESS CONFERENCE WAS SUCCESSFUL. SEVERAL NEWSPAPER AND AREA TELEVISION STATIONS ATTENDED. PRESENT WAS ERT, WVDNR, STATE HEALTH, COUNTY HEALTH, OHM VP BOB GRAZIANO.

C. PROCESS FINE TUNING CONTINUED. EXPECTING TO BEGIN PROCESSING PCB SOIL TOMORROW 10/17/85.

D. OPA, TAT AND AST OBTAINED SAMPLE FROM RESIDENTIAL YARD AT RESIDENT'S REQUEST.

E. COST TRACKING BY COMPAQ SYSTEM CONTINUES TO BE TROUBLESOME AS ADDITIONAL FAULTS IN PROGRAM WERE ENCOUNTERED.

F. ERCS OPERATIONS AND PROCESS MONITORING PLANS REVIEWED BY OSC AND ERT A. ZOWNIR.

G. CALIBRATION SYSTEM ESTABLISHED AS PER AIR MONITORING PLAN. RAM PARTICULATE COUNTER PROVIDED BY ERT WAS DELIVERED TO SITE.

H. OH MATERIALS UPPER MANAGEMENT ON SCENE.

I. FIRE FIGHTING EQUIPMENT SET UP ON SITE AND OPERATIONAL.

III. FUTURE PLANS

A. OSC TO INCREASE ERCS DELIVERY ORDER BY \$250K; NEW CEILING WILL BE \$1,500,000.

B. PCB EXTRACTION PROCESS TO BEGIN TOMORROW 10/17/85.

C. AIR MONITORING PROGRAM AND SAFETY PLAN TO BE INSTITUTED AS METHANOL USEAGE BEGINS.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100416

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sat 19-Oct-85 12:54 EDT Sys 63 (100)
Subject: SHAFFER EQUIPMENT POLREP 67

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 67

I. SITUATION (1930 HRS, 10/17/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/PST-4
TAT-2
ERCS-28
NEWS MEDIA-2

B. EST COST TO DATE (COB 10/16/85)

		CEILING
EPA	\$ 16,925	\$ 20,000
USCG AST/PST	48,465	90,000
TAT	113,865	150,000
ERCS	1,068,851	1,250,000
UNCOMMITTED	-----	790,000
TOTAL PROJECT	\$ 1,248,106	\$2,300,000

C. WEATHER: SUNNY, DRY, 70'S

D. PROCESS FINE TUNING CONTINUES.

E. SITE HAS BEEN VISITED ON THREE SPARATE OCCASIONS BY INSPECTORS FROM THE WAPCC. THE OSC HAS ESCORTED AND FULLY EXPLAINED SYSTEM OPERATIONS. WAPCC INSPECTORS PLAN TO CONTINUE CLOSE SCRUTINY AND REPORT BACK TO DIRECTOR CARL BEARD. OSC PREVIOUSLY SENT A LETTER IN WHICH THE EPA'S POLICY AND NCP AUTHORITIES WERE EXPLAINED. OSC HAS REQUESTED WAPCC SUPPORT AND ASSISTANCE ON SEVERAL OCCASIONS. HOWEVER, IT APPEARS THAT THIS SITE IS BEING SCRUTINIZED BY WAPCC FOR PURPOSES OTHER THAN ASSISTING EPA.

F. OSC STILL AWAITING ADDITIONAL FUNDING FOR THIS PROJECT. DESPITE ASSURANCES FROM BOTH REGIONAL AND HQ MANAGEMENT, NO FUNDS ARE FORTHCOMING DUE TO CONFUSION BETWEEN HQ COMPTROLLERS OFFICE AND REGIONAL FINANCIAL MANAGEMENT. OSC EXTREMELY CONCERNED WITH THIS DELAY AND REQUESTS IMMEDIATE CONSIDERATION BY ALL INVOLVED TO EXPEDITE ADDITIONAL FUNDS. OSC ANTICIPATES REACHING A GO OR NOGO DECISION POINT BY COB MONDAY 10/21/85. OHM HAS INFORMED OSC OF THEIR CONCERNS AND FINANCIAL COMMITMENTS PREVIOUSLY MADE TOWARD THIS PROJECT PRIOR TO ON SITE WORK WHICH CONTRACTS HAS

100417

NEGOTIATED OVER THE LIFE OF THIS PROJECT. ANY DELAY OF FUNDING OR LACK OF WILL SEVERELY IMPACT OHM. OSC HAS PASSED THESE CONCERNS ON TO THE CONTRACTING OFFICER.

G. THE OSC CONSIDERS THE ISSUE SURROUNDING THE USE OF EPA'S COMPUTERIZED COST TRACKING SYSTEM AS OPPOSED TO OHM'S SYSTEM AN ISSUE THAT DOES NOT BELONG ON A BUSY PROJECT JOBSITE. THE OSC WILL CONTINUE TO RECTIFY AND CERTIFY ALL DAILIES BUT WILL SIGN ONLY THE EPA GENERATED DAILY. BOTH THE EPA AND OHM DAILIES AGREE AS TO MANPOWER, EQUIPMENT, AND SERVICES, ETC. THE OSC HAS INSERTED A MEMO TO THE FILE, A MEMO TO THE C.O., A MEMO TO ERT EXPLAINING THIS ISSUE AND REQUESTING THE C.O. TO BECOME INVOLVED. THE OSC REQUESTS ADVICE AND GUIDANCE.

II. ACTIONS TAKEN

A. PROCESS CALIBRATION (TEMPERATURE, PRESSURE, FLOW RATE) CONTINUED USING CLEAN SOIL AND WATER. SYSTEM TO BE TROUBLESHOOTED AND DETERMINED TO BE CLOSED PRIOR TO METHANOL AND PCB SOIL INTRODUCTION TO THE SYSTEM.

B. TWO TELEVISION PERSONNEL WERE ON SCENE TO INTERVIEW OSC BEFORE THEY CONTINUED ON WITH INTERVIEWING RESIDENTS.

C. SHELTER HOOD FOR GRIZZLEY CONVEYOR CONSTRUCTION BEGUN.

D. ERCS PERSONNEL ASSIGNMENTS BEING ISSUED FOR EACH FUNCTION IN UNIT/PROCESS OPERATIONS.

E. ADDITIONAL WIND SOCK (TOTAL OF 4) INSTALLED NEAR SUPPORT AREA.

F. ONE ADDITIONAL USCG AST SUPPORT PERSONNEL (SKI MCEWEN) ON SCENE IN ANTICIPATION OF DEPARTURE OF ONE PST (MK1 MCCARTHY).

III. FUTURE PLANS

A. PROCESS CALIBRATION TO CONTINUE. LEVEL B PROTECTION TO BE INSTITUTED DURING PROCESS STARTUP USING METHANOL. AS PER SITE SAFETY PLAN, LEVEL OF PROTECTION TO BE DOWNGRADED WHEN MONITORING INDICATES THAT THE SYSTEM IS CLOSED.

B. EACH ERCS OPERATOR IS TO "WALKED THROUGH" PROCESS PROCEDURES SPECIFIC TO HIS POSITION FOR STARTUP, SHUTDOWN AND EMERGENCIES.

100418

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sat 19-Oct-85 12:59 EDT Sys 63 (103)
Subject: SHAFFER EQUIPMENT POLREP 68

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 68

I. SITUATION (2200 HRS, 10/18/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/PST-4
TAT-2
ERCS-27

B. EST COST TO DATE (COB 10/17/85)

		CEILING
EPA	\$ 17,595	\$ 20,000
USCG AST/PST	49,795	90,000
TAT	115,365	150,000
ERCS	1,085,135	1,250,000
UNCOMMITTED	-----	790,000
TOTAL PROJECT	\$ 1,267,790	\$2,300,000

C. WEATHER: SUNNY, DRY, 60-75 DEG

D. PROCESS SYSTEM READY; DELAY IN PROCESSING DUE TO ADDITIONAL WORK ON MATERIALS HANDLING SYSTEM TO MEET WAPCC REGULATIONS.

E. OSC CONCERNED OVER ENORMOUS STANDBY COSTS TO PROJECT AND CONTINUING THREAT TO ENVIRONMENT IF STATE ISSUES A CEASE AND DESIST ORDER AND REQUIRES A PERMIT, WHICH IS A 30-DAY PROCESS.

II. ACTIONS TAKEN

A. PROCESS SYSTEM CALIBRATION AND TESTING WITH CLEAN SOIL AND WATER COMPLETED. PREPARATIONS MADE FOR INTRODUCING METHANOL AND PCB SOIL INTO EXTRACTION PROCESS.

B. OSC ABSENT FROM SITE MOST OF DAY DUE TO EMERGENCY RESPONSE IN NITRO, WV. USCG AST DCC FOX ACTED AS OSC REPRESENTATIVE IN OSC'S ABSENCE FOR THE DAY.

100419

C. WV AIR POLLUTION CONTROL DIRECTOR CARL BEARD REQUESTED MEETING WITH OSC THIS DATE TO DISCUSS SEVERAL "FAULTS" IN EPA'S EXTRACTION OPERATION. MEETING WAS COORDINATED THROUGH EPA REGIONAL OFFICE BY MICHAEL ZICKLER (ACTING EMERGENCY RESPONSE BRANCH CHIEF) AND TOM VOLTAGGIO (SUPERFUND BRANCH CHIEF). OSC MET WITH WVDNR AS REGARDS TO BOTH SHAFFER AND NITRO SANITATION. WVDNR AGAIN EXPRESSED THEIR SUPPORT FOR THIS PROJECT AND OFFERED TO INTERCEDE WITH WVAPC IF NECESSARY.

D. WHILE IN THE CHARLESTON AREA, OSC AND TAT MET WITH CARL BEARD AT WVAPCC OFFICE. BEARD WAS PROMPTED BY A CALL FROM US SENATOR BYRD WHO WAS UNDER THE IMPRESSION FROM TELEVISION NEWS FILMS THAT EPA WAS BURNING ON SITE (WHICH WAS ACTUALLY STEAM). BEARD'S MAIN CONCERN WAS DUST EMISSIONS FROM THE SOIL INPUT (GRIZZLEY) AND OUTPUT, BASED ON PHOTOS TAKEN BY HIS INSPECTORS DURING THEIR LAST VISIT. IN ADDITION, HE WAS CONCERNED ABOUT PUBLIC PERCEPTION AND HIS AGENCY'S VULNERABILITY. CONCERNS CITED BY STATE INSPECTORS INCLUDED THE LOADER MISSING THE SORTER, PINES FALLING TO THE GROUND FROM THE LOADING AND FROM THE CONVEYOR, PARTICULATES FALLING FROM THE SORTER, AND EMISSIONS FROM THE PROCESSED SOIL PILE. BEARD STATED HE WOULD NOT BE SATISFIED WITH PHYSICAL BARRIERS AROUND THE GRIZZLEY TO CONTAIN PARTICULATES AND LEANED TOWARDS WETTING THE SOIL DOWN. THE OSC EXPLAINED THAT ADDING WATER WOULD CREATE PROBLEMS WITH CONTAMINATED RUNOFF AND REDUCE EFFICIENCY OF THE EXTRACTION. THE OSC AND BEARD COMPROMISED ON MEASURES TO BE TAKEN TO ELIMINATE PARTICULATE EMISSIONS. WVAPCC INSPECTORS WILL BE ON SITE MONDAY MORNING 10/21/85 TO INSPECT CONTROL MEASURES TAKEN AND WILL HAVE PREPARED AND IN THEIR POSSESSION A CEASE AND DESIST ORDER IF THE MEASURES DO NOT MEET THEIR STANDARDS. OSC AGAIN REITERATED THAT THIS SITE WILL BE ZERO DISCHARGE. OSC CONSIDERS THE RESULTS OF THIS MEETING TO BE POSITIVE IN THAT WVAPCC HAS EXPRESSED A DESIRE TO ASSIST RATHER THAN CRITICIZE.

E. OSC HELD MEETING AT 2100 HRS WITH ERCS MANAGEMENT, TAT, AND USCG TO DISCUSS RESULTS OF MEETING WITH WVAPC, FIELD IDEAS, AND RELAY CONSEQUENCES OF NONCOMPLIANCE WITH WVAPC REGULATIONS.

F. OSC REQUESTS ADVICE AND ASSISTANCE REGARDING THE SITUATION WITH WVAPCC FROM REGIONAL MANAGEMENT.

III. FUTURE PLANS

100420

A. PARTICULATE CONTROL MEASURES TO BE DESIGNED AND CONSTRUCTED PRIOR TO STATE INSPECTORS' VISIT 10/21/85.

B. OSC TO REQUEST INCREASE OF \$790K IN ERCS DELIVERY ORDER 10/21/85.

C. SYSTEM TO BE TESTED WITH METHANOL BUT NOT PCB SOIL TOMORROW 10/19/85.

ROBERT CARON, OSC
EPA REGION III
PHILA, PA

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sun 20-Oct-85 16:40 EDT Sys 63 (78)
Subject: SHAFFER EQUIPMENT POLREP 69

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 69

I. SITUATION (1625 HRS., 10/20/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST-3
TAT-2
ERCS-25

B. EST COST TO DATE (COB 10/19/85)

EPA	\$ 17,925	CEILING	\$ 20,000
USCG AST	51,485		90,000
TAT	117,280		150,000
ERCS	1,112,675		1,250,000
UNCOMMITTED	-----		790,000
TOTAL PROJECT	\$1,299,365		\$2,300,000

C. WEATHER: OVERCAST, HUMID, 60-80 DEG.

D. DUST CONTROL MEASURES IN PROGRESS; FURTHER DELAYS IN GETTING PROCESS ON LINE.

E. OSC EXTREMELY CONCERNED ABOUT LACK OF PROGRESS AND COSTLY DELAYS (SEE SPECIAL BULLETIN #1).

F. PCB EXTRACTION PROCESSING DEADLINE OF 10/16/85 SURPASSED.

II. ACTIONS TAKEN

A. PROCESS TESTING CONTINUED USING CLEAN SOIL AND WATER.

B. ADDITIONAL DELAYS WERE ENCOUNTERED IN IMPLEMENTING DUST CONTROL MEASURES TO MEET WVAFC REGULATIONS/STANDARDS. SEVERAL OPTIONS (FILTRATION SYSTEMS) WERE EXPERIMENTED TO ELIMINATE DUSTING AT THE SOIL WATER DRYER STEAM DISCHARGE, HOWEVER, PARTICULATE EMISSION REMAINS A PROBLEM.

100421

C. BREAKDOWN OF EXTRACTOR SOIL KICKPLATE TO METHANOL DRYER DURING TESTING RESULTED IN ADDITIONAL DELAY.

D. AIR MONITORING EQUIPMENT WAS PREPARED FOR MONITORING EMISSIONS FOR PARTICULATES AND TOTAL ORGANICS AT THE SOIL WATER DRYER AND METHANOL.

E. ERT WAS ACTIVATED TO PROVIDE ADVICE AND ASSISTANCE TO THE OSC WITH REGARDS TO PARTICULATE EMISSION CONTROL.

F. ADDITIONAL DEFICIENCIES ENCOUNTERED WITH EPA'S COST TRACKING SYSTEM (COMPAQ) WERE DOCUMENTED.

G. CONTINGENCY PLANS REVIEWED DURING SAFETY MEETING.

III. FUTURE PLANS

A. ERT (ANDRE ZOWNIR) TO BE ON SCENE TOMORROW 10/21/85.

B. PARTICULATE CONTROL MEASURES TO CONTINUE.

C. OSC TO REQUEST \$790K INCREASE IN ERCS DELIVERY ORDER TOMORROW 10/21/85.

D. IN LIGHT OF DELAY IN PROCESS STARTUP, WVAPEC TO BE NOTIFIED OF PROJECT SCHEDULE TO SET UP TIME FOR INSPECTORS' VISIT.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100422

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sun 20-Oct-85 14:51 EDT Sys 63 (37)
Subject: SHAFFER SPECIAL BULLETIN #1

Special Bulletin #1
Shaffer Equipment Site
Minden, West Virginia

ATTN:TIM FIELDS AND TOM MASSEY

I)Situation:(1300 hrs.,10/20/85)

A) As a result of WVAPCC concerns, the OSC has directed ERCS to design and implement dust control measures to avoid any possibility of fugitive dust emissions. The OSC, after careful observation of O.H.M. performance has noted the following:

- Possible lack of expertise in the area of dust control.
- initial upfront, unforeseen equipment design flaws(i.e. dusting from water dryer)
- inefficient onsite management due to the presence of several managers. Uncoordinated effort.

The OSC has taken the following steps to correct the situation:

- Reactivated ERT(A.Zownir) for advice and assistance for onsite presence until deficiencies are corrected.
- Will seek an independent consultant to review O.H.M. efforts.
- Recommended to O.H.M. to streamline onsite management.(other managers are not being billed to this project)
- Directed O.H.M. to reduce unnecessary personnel until design deficiencies are corrected.

B) The OSC feels that at least 2-3 more days are necessary before allowing full scale soil treatment. The OSC will be in a position to make a go or no go decision by 10/24/85.

C) The OSC is still confident that the process can work, however, there is some doubt as to O.H.M. capability. The OSC and ERT will aggressively seek outside expert advice and assistance, directly inputting into the system to achieve a good clean process, which meets both technical and monetary guidelines.

Robert E. Caron
Federal On-Scene Coordinator
U.S.EPA-III
Philadelphia,Pa.

10042

AR100423

To: T.MASSEY (EPA9374)
To: T.MASSEY (EPA9374) Posted: Wed 23-Oct-85 13:50 EDT Sys 63 (182`
From: T.MASSEY (EPA9374) Posted: Wed 23-Oct-85 13:56 EDT Sys 63 (77)
Subject: SHAFFER EQUIPMENT POLREP 70

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 70

I. SITUATION (2000 HRS., 10/21/85)

A. PERSONNEL ON SCENE:

EPA-2
USCG AST-3
TAT-2
ERCS-27

B. EST COST TO DATE (COB 10/20/85)

EPA	\$ 18,266	CEILING	\$ 20,000
USCG AST	52,258		90,000
TAT	118,580		150,000
ERCS	1,129,655		1,750,000
UNCOMMITTED	-----		490,000
TOTAL PROJECT	\$1,318,759		\$2,300,000

C. WEATHER: RAINY, 45-55 DEG

D. PARTICULATE CONTROL EFFORTS CONTINUE; PCB PROCESSING DEADLINE OF 10/16/85 SURPASSED.

II. ACTIONS TAKEN

A. OSC CONTACTED FRED SIZEMORE OF WAPCC TO INFORM THAT PROCESS WAS NOT READY FOR INSPECTION. EPA'S PARTICULATE CONTROL PLANS WERE DISCUSSED AND RECEIVED FAVORABLE RESPONSE.

B. OHM JOE KIRK ON SCENE.

C. OSC AND ERCS ACTIVELY PURSUED PARTICULATE CONTROL MEASURES. FILTRATION DEVICES WERE TESTED BUT WERE UNSUCCESSFUL. OSC MET WITH ERCS ON SCENE MANAGEMENT TO DISCUSS ADDITIONAL OPTIONS AND SETTLED ON A CLARIFIER TO BE ON SCENE TOMORROW 10/22. AT THE PROCESSED SOIL OUTLET, A DRUM (WITH BOTTOM CUT OUT) WAS WELDED TO THE AUGER END TO STREAMLINE AND SHELTER THE CLEANSED SOIL.

D. CARPENTERS WERE BUILDING WALKWAYS AND CATWALKS AROUND PROCESS AREA TO FACILITATE PERSONNEL MOVEMENT AND REDUCE TRIPPING HAZARDS.

100424

E. EXTRACTOR "SCAVENGER" KICK PLATE DESIGN MODIFIED.

F. ERT ANDRE ZOWNIR ON SCENE TO PROVIDE GUIDANCE AND ASSISTANCE
TO OSC IN SOLVING PARTICULATE PROBLEM.

G. ERCS DELIVERY ORDER INCREASED BY \$500K; NEW CEILING
\$1,750,000.

H. OSC WAS CONTACTED BY TELEVISION STATION IN WASHINGTON DC TO
SET UP TIME FOR STATION TO COME OUT AND DO STORY ON SITE.

III. FUTURE PLANS

A. OSC MAINTAINS GO OR NOGO POSITION FOR PROCESS COMPLICATIONS TO
BE RESOLVED BY COB 10/24/85.

B. ADDITIONAL WALKWAYS TO BE CONSTRUCTED AROUND LIVE STEAM AND
NITROGEN LINES FOR EXTRA MARGIN OF SAFETY.

C. CLARIFIER TO BE ON SCENE TOMORROW 10/22/85 TO BE INSTALLED AT
SOIL WATER DRYER TO ELIMINATE PARTICULATE EMISSION.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100425

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Mon 28-Oct-85 12:20 EST Sys 63 (68)
Subject: SHAFFER EQUIPMENT SPECIAL BULLETIN #2

SPECIAL BULLETIN #2
SHAFFER EQUIPMENT SITE
MINDEN, WEST VIRGINIA

I. SITUATION (0800 HRS., 10/28/85)

A. THE ORIGINAL 1-MILLION DOLLAR EXEMPTION FUNDING REQUEST ALLOWED FOR \$150,000 FOR A DEMONSTRATION OF THIS TECHNOLOGY. CONTRACTS AND THE STATEMENT OF WORK HAS ALLOWED FOR THIS CEILING. PROBLEMS ASSOCIATED WITH WVAPCC REGARDING THEIR CONCERNS OVER POTENTIAL AIR POLLUTION (PARTICULATES) RESULTED IN AN ADDITIONAL COST IN ORDER TO REACH A DEMONSTRATION PHASE. THIS ADDITIONAL COST WAS APPROXIMATELY \$170,000, RAISING THE AMOUNT REQUIRED TO REACH A DEMONSTRATION TO AN ESTIMATED \$320,000. THE OSC, AFTER DISCUSSION WITH REGIONAL AND HQ MANAGEMENT, ELECTED TO EXCEED THIS UNOFFICIAL \$150,000 DEMONSTRATION CEILING IN ORDER TO ACCOMMODATE STATE REQUIREMENTS. THE OSC, WITH ADVICE AND GUIDANCE FROM ERT, BELIEVES THIS SYSTEM WHICH IS ALREADY BUILT AND OPERATIVE DESERVES ADDITIONAL EFFORT TO DEMONSTRATE EFFECTIVENESS.

B. IN COMPARING THIS TECHNOLOGY TO OTHER NEW TECHNOLOGY DEVELOPMENT, STARTUP PROBLEMS ARE COMMON AND COSTLY. THE OSC AND ERT BELIEVE THAT OHM AND EPA PREENGINEERING WAS THE BEST POSSIBLE EFFORT UP FRONT, AND THAT THE SYSTEM, THE CONCEPT, AND THE BENEFITS DESERVE MORE TIME AND DEVELOPMENT TO STREAMLINE, FINE-TUNE AND DEVELOP.

C. STARTUP PROBLEMS ASSOCIATED WITH SOIL SLUDGE BUILDUP WILL REQUIRE ADDITIONAL TIME AND EFFORT, AND UNDER PRESENT OPERATIONS WILL COST SUPERFUND REMOVAL DOLLARS. THE OSC AND ERT BELIEVE THAT THE OSC DOES NOT HAVE THE AUTHORITY TO ALLOW ADDITIONAL EXPENDITURE TO REACH A SMOOTH OPERATIONAL SYSTEM. IT IS ESTIMATED THAT AT LEAST 7 DAYS WILL BE NECESSARY TO IRON OUT STARTUP PROBLEMS. AFTER THIS 7 DAYS OF EFFORT, ONSITE TECHNICAL STAFF WILL BE IN A POSITION TO PROPERLY REESTIMATE TOTAL PROJECT COSTS.

D. THE OSC AND ERT REQUEST ADVICE, GUIDANCE AND DIRECTION FROM BOTH HQ AND REGIONAL MANAGEMENT TO ANSWER THE FOLLOWING QUESTIONS:

- DO WE USE SUPERFUND REMOVAL DOLLARS TO FINALIZE DEVELOPMENT OF THIS SYSTEM?
- DO WE RENEGOTIATE WITH OHM TO HAVE THE CONTRACTOR ABSORB THESE COSTS INSTEAD OF THE GOVERNMENT, WILL OHM DO THIS AND WHO WILL NEGOTIATE THIS?
- DO WE SHARE THE COST?

E. OPTIONS:

- STOP WORK NOW WHILE AWAITING DECISIONS (STANDBY)
- CONTINUE USING REMOVAL FUNDS TO OPTIMIZE PRIOR TO STARTUP
- START UP SYSTEM AS IS WITH PCB CONTAMINATED SOIL AND INCUR ADDITIONAL COSTS
- DEMobilize

F. ESTIMATED COSTS:

- 7 DAYS DEVELOPMENT....\$200,000
- USING SYSTEM AS IS TO TREAT PCB SOILS WILL AT LEAST DOUBLE THE TOTAL COST
- DEMobilize.....\$150,000

ROBERT E. CARON
ON-SCENE COORDINATOR
U.S. EPA-III
PHILADELPHIA, PA

100426

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Mon 28-Oct-85 16:18 EST Sys 63 (74)
Subject: SHAFFER EQUIPMENT POLREP 72

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 72

I. SITUATION (2000 HRS, 10/23/85)

A. PERSONNEL ON SCENE:
EPA-2

USCG/AST-3
TAT-2
ERCS-24
WV STATE HEALTH-3

B. EST COST TO DATE (COB 10/23/85)		CEILING
EPA	\$ 20,427	\$ 30,000
USCG/AST	54,743	90,000
TAT	123,325	150,000
ERCS	1,180,057	1,750,000
UNCOMMITTED		480,000
TOTAL PROJECT	\$1,378,552	\$ 2,300,000

C. WEATHER: OVERCAST, COOL, LIGHT SHOWERS, 50-65 DEG.

D. SITUATION TITLE FOR POLREP #71 SHOULD HAVE INDICATED A DATE OF 10/22/85 INSTEAD OF 10/21/85.

E. TEST RUN OF THE EXTRACTION SYSTEM USING WATER AND NONCONTAMINATED SOILS DEMONSTRATES THE UNITS CAPABILITY TO PERFORM WITH A DEGREE OF ADEQUACY ENOUGH TO MOVE INTO THE FINAL STAGE OF TESTING INTRODUCING METHANOL AND NITROGEN INTO THE SYSTEM.

F. OSC CONCERNED OF LACK OF KNOWLEDGE TO CONTRACTURAL AGREEMENTS REGARDING THE "BLACK-BOX". OSC REQUESTS CONTRACT PERSONNEL TO BE ON SCENE TO CLARIFY CONTRACT ISSUES SPECIFICALLY REGARDING THIS SITE.

G. ERT (A. ZOWNIR), ON SCENE, CONTINUING TO PROVIDE TECHNICAL ASSISTANCE TO OSC REGARDING STARTUP OF TOTAL TREATMENT. ERT TO REMAIN ON-SCENE UNTIL "DEBUGGING" OF SYSTEM IS COMPLETED TO THE SATISFACTION OF THE OSC.

II. ACTIONS TAKEN

A. STATE HEALTH DEPT. ON SCENE AND SUPPORTIVE OF EPA'S ONGOING ACTIVITIES TOWARDS IMPLEMENTING INNOVATIVE ALTERNATIVE DISPOSAL TECHNIQUES.

B. EXTRACTION UNIT AND METHANOL DRYER PREPARED TO BE TESTED FOR METHANOL USE ON 10/24/85.

C. AUGER SYSTEM CALCULATIONS WERE CHECKED MANUALLY TO INSURE THE INTEGRITY OF THE FEED SYSTEM INTAKE RATES.

III. FUTURE PLANS

A. HEADQUARTERS ERD COLLEEN CARUTHERS TO BE ON SCENE 10/25/85.

B. FINAL SYSTEM CHECK OUT APPLYING ALL SYSTEMATIC CHECKS.

C. INTRODUCE METHANOL AND NITROGEN INTO THE EXTRACTION UNIT.

ROBERT E. CARON
EPA REGION III
PHILA.. PA

100427

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Mon 28-Oct-85 15:55 EST Sys 63 (108)
Subject: SHAFFER EQUIPMENT POLREP 73
CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 73

I. SITUATION (1700 HRS., 10/25/85)

A. PERSONNEL ON SCENE:

EPA OSC-1
EPA ERT-1
USCG/AST-3
TAT-2
ERCS-31

B. EST COST TO DATE (COB 10/24/85)

		CEILING
EPA	\$ 20,845	\$ 30,000
USCG/AST	55,304	90,000
TAT	124,365	150,000
ERCS	1,191,581	1,750,000
UNCOMMITTED	----	480,000
TOTAL PROJECT	\$ 1,392,095	\$2,300,000

C. WEATHER: 10/24- SHOWERS, COOL. 50'S
10/25- SUNNY, DRY, 60-70 DEG

D. RAIN SHOWERS CAUSED DELAY IN METHANOL LEAK TESTING ON 10/24
BUT TESTING SUCCESSFUL IN BETTER WEATHER 10/25.

E. ERT (A. ZOWNIR) ON SCENE CONTINUING PROVIDE TECHNICAL
ASSISTANCE TO OSC REGARDING STARTUP OF TOTAL TREATMENT.

II. ACTIONS TAKEN

A. FORMAL SAFETY MEETING WAS HELD 10/24/85 IN ADDITION TO DAILY
MORNING MEETING TO DISCUSS AND DEMONSTRATE SPECIFIC HAZARDS OF
METHANOL PRIOR TO ITS INTRODUCTION INTO THE PROCESS SYSTEM.
ESCAPE ROUTES, RALLY POINTS, CONTINGENCIES, EMERGENCY MEDICAL
CARE AVAILABILITY, USE OF NONSPARKING BRASS TOOLS, AND DESIGNATED
SMOKING AREAS OFF SITE WERE REVIEWED. USCG DEMONSTRATED
CONTROLLED METHANOL FIRE AND USE OF FIRE EXTINGUISHERS, FOAM
NOZZLES AND DRY CHEMICAL EXTINGUISHING SYSTEMS.

B. DUE TO HEAVY RAIN ON 10/24, THE INTRODUCTION OF METHANOL WAS
POSTPONED UNTIL 10/25 IN FAVOR OF BETTER WEATHER. IN THE
RAIN, LIQUID LEAKS WOULD NOT BE DETECTABLE, WORKER SAFETY
ENDANGERED, AND AIR MONITORING INSTRUMENTS WOULD BE DAMAGED
(DESSICANT WAS CONNECTED TO INSTRUMENT PROBE BUT CALIBRATION
METHANOL WOULDN'T PASS THROUGH).

100428

C. ERCS PERSONNEL WERE ASSIGNED TO SPECIFIC UNITS AS OPERATORS. ADDITIONAL PERSONNEL WERE ON SCENE FOR TRAINING IN ANTICIPATION OF 24-HOUR OPERATIONS.

D. METHANOL WAS INTRODUCED INTO THE SYSTEM 10/25/85. LEAK TESTING AND REPAIR WAS DONE IN LEVEL B. WHEN THE AREA WAS DETERMINED TO BE SAFE BASED ON AIR READINGS AND AS PER THE SITE SAFETY PLAN, LEVEL OF PROTECTION WAS DOWNGRADED TO LEVEL D WITH ESCAPE PACKS.

E. SITE AIR MONITORING PLAN WAS INSTITUTED. OVA (FID) WAS PROVEN MUCH MORE EFFECTIVE THAN PID IN RESPONSE. IT WAS DECIDED THAT EPA WILL PROVIDE ON SITE AIR MONITORING UNTIL OHM CAN OBTAIN AN OVA. OHM IS ABLE TO PROVIDE PID AS A CONTRACT ITEM BUT FID/OVA WILL BE A NONCONTRACT ITEM FOR WHICH A RATE WILL HAVE TO BE DETERMINED.

F. NO SIGNIFICANT OFF SITE READINGS WERE OBTAINED. WIND WAS NONEXISTANT OR LIGHT AND VARIABLE.

G. IT WAS DISCOVERED THAT IN ADDITION TO CONTROLLING DUST, WATER IS EFFECTIVE IN REDUCING METHANOL VAPORS, ESPECIALLY AT THE SOIL DISCHARGE PAD.

H. OSC CONTACTED WVAPCC 10/25 AND ARRANGED FOR INSPECTORS TO VISIT SITE MONDAY 10/28/85.

I. SYSTEM CONTINUED TO BE CALIBRATED WITH CLEAN SOIL (USING METHANOL) AT A RATE OF 2 TONS PER HOUR.

J. THE DOUBLE DIAPHRAGM SLUDGE PUMP AT THE LAMELLA MALFUNCTIONED WHEN TURNED ON, CAUSING A MINOR INJURY TO A WORKER. THE PUMP IS TO BE REPLACED AS SOON AS POSSIBLE. THE WORKER RETURNED TO WORK AFTER MINOR FIRST AID FOR METHANOL SPLASH.

K. THREE OHM PERSONNEL WERE ON SCENE TO DISCUSS AND COMPARE OHM AND EPA COST TRACKING SYSTEMS IN ORDER TO UNDERSTAND DIFFERENCES IN PREPARATION FOR A MEETING BETWEEN OHM, CONTRACTS AND ERT.

L. OHM JIM KIRK ON SCENE TO REPLACE BROTHER JOE KIRK.

III. FUTURE PLANS

A. CONTINUE TO FINE-TUNE SYSTEM TO METHANOL AND CALIBRATE RATES.

B. CONTINUE ON AND OFF SITE AIR MONITORING.

C. EPA HQ PERSONNEL TO BE ON SCENE TOMORROW AT OSC'S INVITATION TO OBSERVE SITE OPERATION.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100429

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Mon 28-Oct-85 15:57 EST Sys 63 (87)
Subject: SHAFFER EQUIPMENT POLREP 74

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 74

I. SITUATION (2000 HRS., 10/27/85)

A. PERSONNEL ON SCENE:

EPA OSC-1 (10/26,27)
EPA ERT-1 (10/26,27)
EPA HQ-3 (10/26)
USCG/AST-3 (10/26,27)
TAT-2 (10/26,27)
ERCS-28 (10/26,27)
CITIZENS GROUP-2 (10/26)

B. EST COST TO DATE (COB 10/26/85)

EPA	\$ 22,132	CEILING	\$ 30,000
USCG/AST	56,883		90,000
TAT	127,550		150,000
ERCS	1,223,552		1,750,000
UNCOMMITTED	----		480,000
TOTAL PROJECT	\$ 1,430,117		\$ 2,300,000

C. WEATHER: CLEAR, SUNNY, 35-70 DEG

D. PROCESS TESTING AND CALIBRATION CONTINUES DESPITE MINOR COMPLICATIONS.

II. ACTIONS TAKEN

A. PROCESS TESTING CONTINUED WITH METHANOL AND CLEAN SOIL. ADDITIONAL CLEAN SOIL WAS PURCHASED BECAUSE SUPPLY ON SITE WAS DEPLETED AND SOIL CONTAINING METHANOL WAS NOT TO BE RERUN THROUGH SYSTEM.

B. AIR MONITORING CONTINUED AS PER SITE SAFETY PLAN AND SITE ACTIVITY. WIND WAS NONEXISTENT OR AT TIMES PREDOMINANTLY EAST (10/26). ONLY SIGNIFICANT READINGS (10/26) WERE OBTAINED DIRECTLY DOWNWIND NEAR DECONTAMINATION AREA AT 10 PPM.

C. NEW DOUBLE DIAPHRAGM PUMP DELIVERED ON SCENE AND INSTALLED TO REPLACE MALFUNCTIONING PUMP.

D. AUGER #2 MALFUNCTIONED AGAIN 10/26 . IT WAS DECIDED THAT TO AVOID FUTURE BREAKDOWN/DOWNTIME AND FREQUENT MAINTENANCE. THE 5HP MOTOR WILL BE REPLACED WITH A 10HP MOTOR.

100430

E. METAL BRACE WAS FABRICATED 10/26 AND INSTALLED 10/27 FOR CARBON FILTER SHEETS ON CLARIFIER.

F. A BLOWER WAS ADDED TO SYSTEM AT NO ADDITIONAL COST TO AVOID COLLECTION OF FUMES IN "PIT"/CONFINED AREAS.

G. AS A COST SAVING MEASURE AND TO SPLIT SHIFT PERSONNEL, TWO SIX-HOUR SHIFTS FOR ALL PERSONNEL WERE EMPLOYED ON 10/27.

H. LARRY ROSE AND PAUL MCGEE OF CITIZENS GROUP WERE ON SCENE (10/26) TO REVIEW AND COPY OSC SITE FILE. COPIES OF POLREPS WERE MADE-GROUP PLANS TO RETURN FOR THE REST OF FILE.

I. TAT AND OHM CHEMIST OBTAINED TWO SAMPLES (10/26) FROM A YARD THAT HAD PREVIOUSLY BEEN SAMPLED BY CITIZENS GROUP AND REPORTED BY THEIR LAB TO BE "HOT". SAMPLE TO BE ANALYZED BY ON SITE LAB.

III. FUTURE PLANS

A. ANTICIPATE DEMONSTRATION FOR WVAPCC INSPECTORS MONDAY 10/28/85.

B. ANTICIPATE INTRODUCTION OF PCB SOIL INTO SYSTEM 10/28/85.

C. ON SITE AND OFF SITE AIR MONITORING TO CONTINUE.

D. ERCS TO PROVIDE GALLEY (FOOD TRAILER) WHEN 24-HOUR OPERATION BEGINS.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100431

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 29-Oct-85 16:08 EST Sys 63 (99)
Subject: SHAFFER EQUIPMENT CO. POLREP 75

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 75

I. SITUATION (1730 HRS., 10/28/85)

A. OSC AND ERT (A. ZOWNIR) PARTICIPATED IN A TELECON WITH EPA/HQ, HANS CRUMP, AND EPA REGION, TOM VOLTAGGIO AND TOM MASSEY IN RESPONSE TO SPECIAL BULLETIN #2 AND THE OSC CONCERNS REGARDING FUND USE RELATED TO STARTUP PROBLEMS. A CONCURRENCE OF OPINION WAS REACHED AS REGARDS TO FUND USE TO IRON OUT STARTUP PROBLEMS. IN RESPONSE TO GUIDANCE FROM THE ABOVE, THE OSC HAS TAKEN THE FOLLOWING STEPS:

- DIRECTED ERCS TO REDUCE STAFF AND COSTS WHILE STARTUP PROBLEMS ARE IRONED OUT
- REQUESTED CONTRACTS TO BE ON SCENE TO POSSIBLY RENEGOTIATE WITH OHM IN ATTEMPT TO FURTHER REDUCE COSTS.
- ERCS HAS A FRIDAY 11/1/85 DEADLINE TO IRON OUT STARTUP PROBLEMS.

THE OSC AND ERT ARE STILL CONFIDENT THAT THIS SYSTEM WILL WORK AND THAT THE PROBLEMS BEING EXPERIENCED NOW ARE A FUNCTION OF LEARNING TO USE THE SYSTEM CAPABILITIES PROPERLY. TO CLARIFY SPECIAL BULLETIN #2, THE PROBLEMS ON SITE ARE STRICTLY STARTUP RELATED AND IN NO WAY SHOULD THEY BE PERCEIVED AS DEVELOPMENT.

B. THE OSC AGAIN REQUESTED STATE SUPPORT ON SCENE. WVDNR DOES NOT HAVE THE STAFF AVAILABLE FOR SUCH SUPPORT.

C. THE OSC IS CONCERNED THAT OTHER REGIONAL COMMITMENTS MAY IMPACT BOTH TATS SUPPORT AND CONTINUITY ON SCENE. THE OSC REQUESTS CONTINUED TAT PRESENCE THROUGHOUT THE PROJECT, SINCE USCG/AST SUPPORT IS PRESENTLY LIMITED DUE TO USCG WORKLOAD. THE PRESENCE OF BOTH USCG/AST AND TAT ARE ESSENTIAL TO THIS PROJECT.

D. PERSONNEL ON SCENE:

EPA-2
USCG/AST-3
TAT-2
ERCS-28
FAYETTE CO. FIRE DEPT.-2

100432

E. EST COST TO DATE (COB 10/28/85)		CEILING
EPA	\$ 22,870	\$ 30,000
USCG/AST	58,105	90,000
TAT	129,500	150,000
ERCS	1,250,655	1,750,000
UNCOMMITTED	-----	480,000
TOTAL PROJECT	\$ 1,461,130	\$2,300,000

F. WEATHER: SUNNY, 60'S

II. ACTIONS TAKEN

A. WEIR IN EXTRACTOR WAS LENGTHENED TO INCREASE RESIDENCE TIME OF SOIL AND TO AVOID METHANOL FLOODING INTO DRYER.

B. THE NUMBER OF ERCS PERSONNEL WAS REDUCED BY 50% UNTIL STARTUP IS ACHIEVED.

C. OSC CONTACTED WVAPCC FRED SIZEMORE TO POSTPONE INSPECTORS' VISIT.

D. WATER SUPPLY LINE WAS INSULATED.

E. CALCULATIONS REVEALED THAT APPROXIMATELY 1% LOSS METHANOL WAS OCCURRING THROUGH THE METHANOL STACK. TO CONSERVE METHANOL AND ENSURE ZERO DISCHARGE, A STACK CONDENSER WAS BEING FABRICATED TO RETURN METHANOL FOR REUSE IN THE SYSTEM.

F. FAYETTE CO. FIRE CHIEF WAS ON SCENE FOR UPDATE ON OPERATIONS AND TO OFFER CONTINUED SUPPORT.

G. AIR MONITORING INDICATED THAT NO SIGNIFICANT LEVELS OF METHANOL WERE MIGRATING OFF SITE.

III. FUTURE PLANS

A. DEMOBILIZE ERCS PERSONNEL NOT DESIGNATED TO REMAIN.

B. CONTINUE TO WORK ON RESOLVING SLUDGE BUILDUP PROBLEM IN EXTRACTOR.

C. ONE USCG/AST MEMBER MK1 TREUBIG TO DEMOBILIZE TOMORROW 10/29 WITHOUT REPLACEMENT UNTIL LEVEL OF OPERATIONS INCREASE.

D. CONTINUE TO CALIBRATE SYSTEM WITH CLEAN SOIL AND METHANOL.
ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100433

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 31-Oct-85 10:12 EST Sys 63 (101)
Subject: SHAFFER EQUIPMENT POLREP 76
CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 76

I. SITUATION (2000 HRS., 10/30/85)

A. PERSONNEL ON SCENE:

EPA OSC-1 (10/29,30)
EPA ERT-1 (10/29)
USCG/AST-2 (10/29,30)
TAT-2 (10/29,30)
ERCS-26 (10/29,30)
REG 5 EPA-1 (10/30)

Fr

B. EST COST TO DATE (COB 10/29/85)

		CIELING
EPA	\$ 23,813	\$ 30,000
USCG/AST	58,532	90,000
TAT	130,737	150,000
ERCS	1,264,865	1,750,000
UNCOMMITTED	-----	480,000
TOTAL PROJECT	\$ 1,477,947	\$ 2,300,000

C. WEATHER: MOSTLY SUNNY, 55-60 DEG

D. OSC IS CONCERNED THAT OTHER REGIONAL COMMITMENTS MAY IMPACT BOTH TAT SUPPORT AND CONTINUITY ON SCENE. THE OSC REQUESTS CONTINUED TAT PRESENCE THROUGHOUT THE PROJECT, SINCE USCG/AST SUPPORT IS PRESENTLY LIMITED DUE TO USCG WORKLOAD. THE PRESENCE OF BOTH USCG/AST AND TAT IS ESSENTIAL TO THIS PROJECT.

E. MEDIA INTEREST HIGH.

F. ERCS HAS A FRIDAY 11/1/85 DEADLINE TO IRON OUT STARTUP PROBLEMS.

II. ACTIONS TAKEN

A. STARTUP PROBLEMS CONTINUED (10/29) AS IT WAS ATTEMPTED TO CONTINUE CALIBRATING SYSTEM WITH CLEAN SOIL:

- DRIVE BELT ON SOIL WATER DRYER SLIPPING
- BEARING HOUSING BROKE ON SOIL WATER DRYER
- AUGER #1 FROM GRIZZLEY TO DRYER OVERLOADED

100434

B. Meet with EGAN AT NOON 10/30/85 AS A COST SAVING MEASURE. EFFORTS CONTINUED TO REMEDY PROBLEMS THAT OCCURED 10/29/85.

C. AIR MONITORING WAS INSTITUTED ON AND OFF SITE 10/29. LOW READINGS ON OVA (6 PPM) WERE OBTAINED DOWNWIND OFF SITE.

D. OSC COORDINATED WITH HQ CONTRACTING OFFICER TIM FARRIS TO BE ON SCENE TO WORK WITH OSC AND OHM.

E. REEVES 10HP MOTOR WAS ON SCENE AND INSTALLED TO REPLACE SHP MOTOR ON AUGER #2 BETWEEN WATER DRYER AND EXTRACTOR 10/30/85.

F. NONESSENTIAL ERCS PERSONNEL WERE DEMOBILIZED AS PER OSC'S APPROVED BILLABLE PERSONNEL LIST SUBMITTED TO OHM EFFECTIVE UNTIL SYSTEM IS ON LINE.

G. ADDITIONAL SCRUBBER WAS ADDED TO CONDENSER STACK TO CONSERVE METHANOL VAPOR LOSS.

H. EPA REGION 5 OSC RALPH DOLLHOFF ON SCENE TO OBSERVE SITE OPERATIONS.

I. ERT A. ZOWNIR WAS DEMOBILIZED UNTIL STARTUP IS ACHIEVED.

J. OSC WAS CONTACTED BY NEWSPAPER REPORTER 10/29 FOR INFORMATION ON DELAY OF REMOVAL ACTIONS.

III. FUTURE PLANS

A. EPA HQ CONTRACTING OFFICER TO BE ON SCENE TOMORROW 10/31/85.

B. NEW DRIVE BELTS AND BEARING HOUSING ORDERED AND TO BE ON SCENE TOMORROW 10/31/85 FOR INSTALLATION.

C. CONTINUE TO WORK ON RESOLVING SLUDGE BUILDUP PROBLEM.

D. OSC TO NOTIFY WVAPEC WHEN STARTUP IS ACHIEVED, TENTATIVELY 11/4/85.

E. OSC TO ATTEND MONTHLY WV OES MEETING MONDAY 11/4/85 IN CHARLESTON.

F. OSC ANTICIPATES FUNDING INCREASE REQUEST TO BE SUBMITTED IN MID NOVEMBER.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100435

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sat 2-Nov-85 10:40 EST Sys 63 (97)
Subject: SHAFFER EQUIPMENT CO. POLREP 77

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN:TIM FIELDS AND TOM MASSEY

POLREP 77

I. SITUATION (1800 HRS., 10/31/85)

A. PERSONNEL ON SCENE:

EPA OSC-1
EPA HQ-1
USCG/AST-2
TAT-2
ERCS-
WVDNR-1
REG 5 EPA-1

B. EST COST TO DATE (COB 10/30/85)

		CEILING
EPA	\$ 24,218	\$ 30,000
USCG/AST	59,125	90,000
TAT	131,777	150,000
ERCS	1,273,926	1,750,000
UNCOMMITTED	-----	480,000
TOTAL PROJECT	\$ 1,489,046	\$ 2,300,000

C. WEATHER: OVERCAST, STRONG BREEZE, 60 DEG

D. MAINTENANCE WORK ON SYSTEM CONTINUING.

II. ACTIONS TAKEN

A. EPA HQ ERCS CONTRACTING OFFICER TIM FARRIS ON SCENE.

B. OHM ERCS PROJECT DIRECTOR BOB OHNEK ALSO ON SCENE.

C. BEARING CASING WAS RECEIVED AND INSTALLATION BEGUN TO REPLACE CASING BROKEN 10/29.

D. GUIDE PLATES WERE WELDED TO THE GRIZZLEY AS PARTICULATE CONTROL MEASURE TO AVOID SPILLAGE OVER THE SIDES WHILE SOIL IS BEING LOADED.

E. DRIVE BELT WAS CHANGED ON SOIL WATER DRYER.

F. GEAR PUMP WAS INSTALLED TO REPLACE DOUBLE DIAPHRAGM PUMP TO AID IN REDUCING SLUDGE BUILDUP PROBLEM.

100436

G. HEAT SENSOR INSTALLATION BEGUN; ELECTRICAL DUCTS WERE LAID OUT THROUGH THE SYSTEM. HEAT SENSORS WILL BE LOCATED AT:

1. LAMELLA SEPARATOR
2. EXTRACTOR
3. METHANOL STORAGE TANKS
4. METHANOL CONDENSER
5. METHANOL DRYER
6. SOIL DISCHARGE PAD

H. ADDITIONAL SIGHT PORT WAS INSTALLED ON LAMELLA SEPARATOR TO ENABLE VIEW OF SLUDGE LEVEL.

I. EXHAUST VENTS WERE INSTALLED ON AUGER #2 (BETWEEN WATER DRYER AND EXTRACTOR) TO CLARIFIER AS PARTICULATE CONTROL MEASURE.

J. WVDNR R. MCCLANAHAN WAS ON SCENE IN RESPONSE TO REPORT BY CITY OFFICIAL OF NEIGHBORS BURNING GARBAGE NEAR THE SITE. MR. MCCLANAHAN EXPLAINED TO THE NEIGHBORS THAT METHANOL IS HIGHLY FLAMMABLE AND THAT EPA WILL PROVIDE TRASH BAGS FOR THEM TO USE THE DUMPSTER ON SITE.

K. EPA REGION 5 RALPH DOLHOPF AGAIN ON SCENE TO OBSERVE SITE OPERATIONS.

III. FUTURE PLANS

A. CONTINUE MAINTENANCE ON STARTUP PROBLEMS. ANTICIPATE CLEAN SOIL RUN TOMORROW 11/1/85.

B. EPA HQ TIM FARRIS TO NEGOTIATE ERCS ITEMS WITH OHM BOB OHNEK TOMORROW 11/1.

C. COMPLETE INSTALLATION OF HEAT SENSORS AND ALARMS AND PERFORM ELECTRICAL CHECK.

D. OSC TO ALERT WVAPCC WHEN STARTUP IS ACHIEVED (ANTICIPATED MONDAY 11/4/85).

E. OSC TO ATTEND MONTHLY WV OES MEETING MONDAY 11/4/85.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100437

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sun 3-Nov-85 12:10 EST Sys 63 (110)
Subject: SHAFFER EQUIPMENT POLREP 78
CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

ATTN:TIM FIELDS AND TOM MASSEY

POLREP 78

I. SITUATION:(1800 HRS.,11/2/85)

A. PERSONNEL ON SCENE:

EPA OSC-1
EPA CONTRACTS-1
USCG/AST-2
TAT-2
ERCS-15
REGION 5 EPA OSC-1

B. ESTIMATED COSTS TO DATE:(COB 11/1/85) CEILING

EPA	\$ 25,812	\$ 30,000
USCG/AST	60,570	90,000
TAT	135,710	150,000
ERCS	1,294,042	1,750,000
UNCOMMITTED		480,000
TOTALS	\$1,429,752	\$2,300,000

C. WEATHER: OVERCAST, HUMID, LOW 60'S

D. STARTUP PROBLEMS CONTINUE TO PLAGUE SYSTEM. OSC, AS MENTIONED PREVIOUSLY IN PREVIOUS POLREPS, IS CONCERNED OVER STARTUP COSTS AND RESULTANT IMPACT ON PROJECT CEILING. ALTHOUGH ERCS HAS REDUCED STAFF, CUT COSTS TO THE BONE(EST. 9K/DAY) THE OSC HAS CHARGED CONTRACTS WITH RENEGOTIATIONS WITH O.H.M. TO DEVELOPE A COST SHARE SITUATION WHERE THE CONTRACTOR BEARS ALL COSTS ASSOCIATED WITH EQUIPMENT FAILURES. THIS POSITION, IF REACHED, WILL BRING THE PROJECT BUDGET BACK ON TRACK.

E. CONTRACTS SPECIALIST, TIM FARRIS, THE OSC, AND O.H.M. NEGOTIATOR, BOB OHNECK HAVE MET ON BOTH 11/1 AND 11/2 TO BEGIN THE ABOVE MENTIONED NEGOTIATION POSITION. THE OSC PROVIDED COST INFO TO CONTRACTS AS REGARDS STARTUP RELATED COSTS. ALTHOUGH MANY FACTORS ARE STILL UNKNOWN AS REGARDS THE TOTAL PROJECT, IT APPEARS THAT THE ORIGINAL ROUGH ESTIMATES RELATED TO COST OVERUNS MAY BE IN ERROR AND ALTHOUGH A CEILING INCREASE MAY BE NECESSARY, IT WILL NOT BE SUBSTANTIAL(EST. 200-500K). CONTRACTS TO CONTINUE NEGOTIATIONS WEEK OF 11/4.

F. THE OSC CONTINUES TO CONFER WITH ERT(A.ZOWNIR) TO RECIEVE ADVICE AND GUIDANCE. IT APPEARS THAT THESE STARTUP PROBLEMS ARE COMMONLY ASSOCIATED WITH SYSTEMS SUCH AS THIS AND THAT IF AN EQUITABLE COST POSITION CAN BE REACHED THERE IS STILL A LARGE BENEFIT TO THE GOVERNMENT. IT IS THE OPINION OF ALL TECHNICAL STAFF, THAT UPON FINDING SOLUTIONS TO THE MATERIALS HANDLING PROBLEMS THAT THIS SYSTEM WILL WORK AND WORK EXTREMELY WELL.

G. THE OSC ANTICIPATES PCB TREATMENT STARTUP WITHIN 2-3 DAYS ASSUMING NO FURTHER RUNINS WITH MURPHY'S LAW.

II. ACTIONS TAKEN

A. MAINTENANCE TO CORRECT WATER DRYER PROBLEMS OF 10/29 COMPLETED 11/1.

B. STARTUP DELAYED 11/1, DUE TO MALFUNCTION OF METHANOL FEED RETURN PUMP.

1004 8

C. 11/1 SOON AFTER THE SYSTEM WAS STARTED THE EXTRACTOR OVERLOADED WITH SOIL RESULTING IN THE FOLLOWING:

- DRIVE PLATE BOLTS BROKEN
- SHAFT PLATE KEY SHEARED
- KICK PLATE BENT BEYOND REPAIR
- AUGER FINS BENT

EFFORTS WERE CONCENTRATED ON SYSTEM SHUTDOWN AND REPAIR.

D. REMAINING HEAT SENSORS AND ALARMS INSTALLED.

E. LOW READINGS ON OVA WERE OBTAINED DURING ONSITE AIR MONITORING. A STRIP CHART RECORDER WAS SET UP DOWNWIND OFFSITE WHICH READ 2-8 FPM

F. PROPER MANAGEMENT OF THE FIELD COST CONTROL SYSTEM WAS ABLE TO DETECT IMPROPERLY CHARGED CONTRACT ITEMS. THE CONTRACTOR WAS DIRECTED TO EXAMINE ALL DAILIES AND CORRECT AND CREDIT AS APPROPRIATE.. THE OSC FEELS THAT THIS UNIT HAS BECOME AN INDISPENSABLE ASSET TO THIS PROJECT, PROVIDING AUTOMATIC CROSS CHECKING OF CONTRACTOR SUBMITTED COSTS.

H. REGION 5 OSC, RALPH DOLHOFF, ON SCENE TO OBSERVE SITE OPERATIONS, HE HAS REQUESTED OSC TO POSSIBLY PRESENT THIS SYSTEM AND SITE FUNDING HISTORY TO REGION 5. OSC WILL TAKE THE MATTER UP WITH REGIONAL MANAGEMENT.

III. FUTURE PLANS

A. COMPLETE REPAIR OF EXTRACTOR.

B. OSC TO ATTEND AND SPEAK AT MONTHLY WVOES MEETING MONDAY 11/4

C. OSC TO NOTIFY WVAPCC OF STARTUP WITH PCB SOILS TO SCHEDULE A SITE VISIT.

D. ONE TAT TO BE REPLACED WEEK OF 11/4 TO ATTEND TO OTHER REGIONAL COMMITMENTS.

E. USCG/AST CREW CHANGE OUT WEEK OF 11/4.

F. OSC TO ATTEND PCB SPILLS CONFERENCE IN WASHINGTON D.C. ON 11/7 TO SPEAK AS REQUESTED. USCG/AST WILL ACT AS OSC REP.

ROBERT E. CARON, ON-SCENE COORDINATOR, USEPA-III

100439

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 8-Nov-85 16:02 EST Sys 63 (86)
Subject: SHAFFER EQUIPMENT POLREP 79

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 79

I. SITUATION (1800 HRS., 11/4/85)

A. PERSONNEL ON SCENE:

EPA-1 (11/3/85)
USCG/AST-2 (11/4/85)
TAT-1,2 (11/3,4)
ERCS-12,13 (11/3,4)
RP-2 (11/4)

B. EST COSTS TO DATE (COB 11/3/85)

EPA	\$ 26,078	CEILING	\$ 30,000
USCG/AST	60,775		90,000
TAT	136,360		150,000
ERCS	1,308,251		1,750,000
TOTAL PROJECT	\$ 1,531,464		\$ 2,300,000

C. WEATHER: HEAVY RAINS, 45-55 DEG

D. MAINTENANCE/REPAIR ON EXTRACTOR CONTINUES.

E. HEAVY RAINS CAUSED FLASH FLOODING IN THE AREA- ARBUCKLE CREEK ROSE BUT WAS CONTAINED BY THE 3-FOOT BERM CONSTRUCTED ALONG THE SITE.

II. ACTIONS TAKEN

A. EXTRACTOR REPAIR CONTINUED 11/3 AND 11/4. FINS WERE WELDED WHERE BROKEN OR BENT. KICK PLATE WAS LENGTHENED AND REINFORCED AND A COUNTER WEIGHT WAS ADDED. EXTRACTOR WAS TESTED WITH CLEAN SOIL AND WATER 11/4/85.

B. ERCS CONTACTED EXTRACTOR MANUFACTURER 11/4 WHO ADVISED THAT KICK PLATE/SOIL PASSAGE BE WIDENED. MANUFACTURER WILL PROVIDE A REPRESENTATIVE FOR ON SCENE CONSULTATION.

C. SHELTER WAS BUILT AND INSTALLED OVER EXTRACTOR 11/4.

D. "SKELETON CREW" WAS ON HAND DURING REPAIR DOWNTIME AS A COST-SAVING MEASURE.

100440

E. OSC ATTENDED MONTHLY WV OES MEETING IN CHARLESTON 11/4/85 AS PRIMARY SPEAKER. USCG/AST DCC FOX ACTED AS OSC REPRESENTATIVE DURING OSC'S ABSENCE.

F. OSC DEMOBILIZED TO REGIONAL OFFICE AND TO ATTEND PCB SPILLS CONFERENCE THIS WEEK AS A SPEAKER. USCG/AST TO ACT AS OSC REP DURING OSC'S ABSENCE.

G. OSC TO REMAIN IN CONTACT THROUGHOUT ABSENCE.

H. TWO REPRESENTATIVES FROM BEERWIND LAND COMPANY (A POTENTIAL RESPONSIBLE PARTY) WERE ON SCENE FOR UPDATE ON CLEANUP PROGRESS.

I. WVDNR KIM FETTY WAS UPDATED ON SITE STATUS.

III. FUTURE PLANS

§1A. EXTRACTOR MANUFACTURER REP TO BE ON SCENE TOMORROW 11/5 TO REVIEW ERCS EXTRACTOR REPAIR AND OFFER ANY FURTHER SUGGESTIONS.

B. TEST RUN UPGRADED EXTRACTOR WITH CLEAN SOIL AND WATER.

C. OSC TO CONTACT WVAPCC WHEN STARTUP STATUS IS ACHIEVED TO SCHEDULE STATE INSPECTORS' VISIT.

D. USCG/AST TO UNDERGO PERSONNEL CHANGE WITH ONE DAY OVERLAP 11/6/85.

E. OSC EXPECTED BACK ON SCENE FRIDAY 11/8/85.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100441

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 8-Nov-85 16:04 EST Sys 63 (88)
Subject: SHAFFER EQUIPMENT POLREP 80

"r51

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 80

I. SITUATION (1830 HRS., 11/5/85)

A. PERSONNEL ON SCENE:

USCG/AST-3

TAT-2

ERCS-19

B. EST COST TO DATE (COB 11/4/85)

EPA	\$ 26,278	CEILING	\$ 30,000
USCG/AST	61,430		90,000
TAT	137,725		150,000
ERCS	1,299,616		1,750,000
TOTAL PROJECT	\$1,525,049		\$ 2,300,000

C. RAINY, 40'S

D. EXTRACTOR MAINTENANCE COMPLETED; TEST RUN WITH CLEAN SOIL AND WATER SUCCESSFUL.

E. OSC NOT ON SCENE DUE TO OTHER COMMITMENTS; USCG/AST DCC FOX ACTING AS OSC REP IN OSC'S ABSENCE, MAINTAINING FREQUENT CONTACT WITH OSC VIA TELEPHONE.

II. ACTIONS TAKEN

A. EXTRACTOR REPAIR/ MAINTENANCE COMPLETED. MANUFACTURE REP ON SCENE APPROVED OF/AGREED WITH UPGRADE MEASURES. TEST RUN WITH CLEAN SOIL AND WATER TO OBSERVE MECHANICS SUCCESSFUL.

B. EXPANDED SIGHT GLASS WINDOWS WERE INSTALLED ON EXTRACTOR TOP TO ENABLE OPERATOR TO OBSERVE BOTH KICK PLATE OPERATIONS AND ANY INTERNAL BUILDUP.

C. GEOTECH FABRIC WAS USED AS COVER/SHELTER OVER EXTRACTOR AS WORKER SAFETY MEASURE.

D. A FILTER SCREEN WAS INSTALLED INLINE AT THE METHANOL RETURN PUMP FROM LAMELLA.

E. POWER OVERLOAD WAS OCCURRING ON AUGER #2. ELECTRICIANS ON SCENE WERE WORKING TO RESOLVE PROBLEM.

100442

F. OHM BOB OHNEK AND JOE KIRK ON SCENE.

G. USCG/AST PERSONNEL CHANGE TO OCCUR 11/6 DUE TO USCG REQUIREMENTS. DC1 SNYDER ON SCENE FOR 1/2 DAY OVERLAP TO TAKE OVER FOR DCC FOX.

H. EPA HQ TIM FARRIS AND ERT ANDRE ZOWNIR UPDATED ON SITE STATUS VIA TELEPHONE.

I. CONFERENCE CALL WAS HELD COB BETWEEN OSC AND USCG, TAT AND ERCS TECHNICAL STAFF TO DISCUSS STARTUP AND WCAPCC INSPECTORS' VISIT.

III. FUTURE PLANS

A. LEAK TEST EXTRACTOR WHEN METHANOL IS REINTRODUCED (11/6) TO VERIFY THAT SEALS ARE INTACT.

B. TEST RUN AND CALIBRATE SYSTEM USING CLEAN SOIL AND METHANOL 11/6/85.

C. CONTACT WVCAPCC TO SCHEDULE INSPECTORS' VISIT IF TEST RUN IS SUCCESSFUL.

D. USCG PERSONNEL CHANGE TOMORROW 11/6: DC1 SNYDER TO REPLACE DCC FOX AND EM2 GILLESPI (GST) TO REPLACE SK1 MCEWEN.

E. OSC TO BE IN REGIONAL OFFICE TOMORROW 11/6 AND AVAILABLE BY PHONE. USCG/AST SNYDER TO ACT AS OSC REP IN OSC'S ABSENCE.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100443

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 8-Nov-85 16:06 EST Sys 63 (95)
Subject: SHAFFER EQUIPMENT POLREP 81

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 81

I. SITUATION (2000 HRS., 11/6/85)

A. PERSONNEL ON SCENE:

USCG AST/GST-4
TAT-2
ERCS-19
WVAPCC-4

B. EST COST TO DATE (COB 11/5/85)

		CEILING
EPA	\$ 26,278	\$ 30,000
USCG AST/GST	62,050	90,000
TAT	139,090	150,000
ERCS	1,300,538	1,750,000
TOTAL PROJECT	\$ 1,527,956	2,300,000

C. WEATHER: MORNING DRIZZLE, CLEARING IN AFTERNOON, 45-55 DEG

D. OSC IN REGIONAL OFFICE DUE TO OTHER COMMITMENTS; USCG AST SNYDER ACTING AS OSC REP.

E. STARTUP STATUS ACHIEVED.

F. CONTRACTS RENEGOTIATIONS CONTINUING ON "BLACK BOX" RATE AND ITEMS AS REGARD TO STARTUP COSTS.

II. ACTIONS TAKEN

A. SYSTEM WAS CALIBRATED USING CLEAN SOIL AND METHANOL. MINOR PROBLEMS WERE ENCOUNTERED:

- AUGER #2 STOPPED UP. SMALLER GEAR WAS INSTALLED ON 10HP MOTOR TO ENABLE AUGER SHAFT TO TURN AT HIGHER RPM. STEAM LINE WAS CONNECTED TO AUGER #2 JACKET TO KEEP SOIL WARM TO AVOID CONDENSATE BUILDUP AND CLOGGING INSIDE AUGER.
- POWER OVERLOAD WAS BEING INVESTIGATED AND POSSIBLE REROUTE OF POWER SOURCES.
- LEAKS WERE DETECTED ON EXTRACTOR AND METHANOL DRYER; SILICON SEALANT WAS APPLIED.

100444

B. OSC ARRANGED FOR WVAPCC INSPECTORS' VISIT THIS DATE TO OBSERVE PARTICULATE CONTROL MEASURES WHILE UTILIZING CLEAN SOIL. FRED SIZEMORE AND THREE INSPECTORS WERE ON SCENE TO SPEAK WITH TAT, USCG AND ERCS TECHNICAL STAFF. WVAPCC WAS PLEASED OVERALL- THEIR ONLY REMAINING CONCERN WAS DUSTING FROM THE STAGED SOIL PILE WHILE UNCOVERED AND LOADING.

C. OSC WAS IN FREQUENT CONTACT WITH COMMAND POST VIA TELEPHONE.

D. AN AIR SAMPLE WAS OBTAINED FROM THE CONDENSER STACK AND SUBMITTED TO THE MOBILE LAB TO DETERMINE METHANOL CONTENT.

E. A VISQUEEN CURTAIN WAS INSTALLED ON BOILER HOUSE DOOR OPENING TO PREVENT STRAY CONTAMINATED DUST FROM MIGRATING INSIDE BOILER AS A SAFETY MEASURE.

F. OHM ERCS PROJECT DIRECTOR BOB OHNEK ON SCENE.

III. FUTURE PLANS

A. WVAPCC INSPECTORS TO CORRABORATE WITH DIRECTOR CARL BEARD ON OBSERVATIONS AND CALL FIRST THING IN THE MORNING TO GIVE GO OR NOGO PCB STARTUP VERDICT.

B. INTRODUCE PCB SOIL AT 2 1/2 TONS/HR RATE TOMORROW 11/7/85.

C. OHM TO OBTAIN OVA FOR ON SITE AIR MONITORING AS PER SITE SAFETY PLAN.

D. RIP-RAP ENTRANCE RAMP TO BE INSTALLED TO FACILITATE LOADER MOVEMENT AT SOIL PILE.

E. WVAPCC INSPECTORS TO BE ON SCENE TO OBSERVE PCB SOIL LOADING.

F. OSC TO ATTEND PCB SPILLS CONFERENCE AS PRIMARY SPEAKER TOMORROW 11/7. USCG/AST SNYDER TO ACT AS OSC REP. OSC TO BE ON SCENE FRIDAY 11/8/85.

G. EPA HQ TIM FARRIS TO CONTINUE "BLACK BOX" NEGOTIATIONS.

ROBERT CARON, OSC
EPA REGION III
PHILA. PA

100445

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 8-Nov-85 16:09 EST Sys 63 (99)
Subject: SHAFFER EQUIPMENT POLREP 82

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 82

I. SITUATION (2000 HRS., 11/7/85)

A. PERSONNEL ON SCENE:

USCG AST/GST-2
TAT-2
ERCS-19
WVAPCC-3

B. EST COST TO DATE (COB 11/6/85)		CEILING
EPA	\$ 26,278	\$ 30,000
USCG AST/GST	62,867	90,000
TAT	140,650	150,000
ERCS	1,309,308	1,750,000
TOTAL PROJECT	\$ 1,539,103	\$2,300,000

C. WEATHER: OVERCAST, AFTERNOON SHOWERS, 50'S

D. PCB SOIL INTRODUCED; STARTUP PROBLEMS CONTINUE. PRELIMINARY
ANALYSIS INDICATES THAT EXTRACTION WAS SUCCESSFUL.

E. OSC SPEAKING AT PCB SPILLS CONFERENCE IN WASHINGTON, DC BUT IN
FREQUENT CONTACT WITH COMMAND POST VIA TELEPHONE.

II. ACTIONS TAKEN

A. PCB SOIL WAS INTRODUCED INTO THE SYSTEM AT 2 1/2 TONS/HOUR.
ADDITIONAL STARTUP PROBLEMS OCCURRED:

- BOTH ROTARY VALVES (VAPOR LOCKS) CLOGGED UP DUE TO MOISTURE
CONTENT IN SOIL
- GRIZZLEY SHAKER POWER SCREEN CLOGGED UP FREQUENTLY.
- INLINE SCREEN FOR METHANOL RETURN PUMP CLOGGED UP AND HAD TO
BE REMOVED. BACKED-UP SLUDGE IN RETURN LINE HAD TO BE
REMOVED ALSO.
- LAMELLA SLUDGE CLARIFIER FILLED UP WHICH INABLED THE UNIT TO
PROPERLY CLARIFY THE SLUDGE FROM THE METHANOL.

B. LEVEL C AREAS WERE DELINEATED AND ENFORCED AS PER SITE SAFETY
PLAN.

100446

C. POWER OVERLOAD PROBLEM ON SITE WAS INVESTIGATED. NO POWER PROBLEMS OCCURRED THIS DATE DURING RUN TIME.

D. OHM RECIEVED AN OVA TO PERFORM ON SITE AIR MONITORING IN WORKER AREAS. TAT WILL CONTINUE TO PERFORM PERIODIC CHECKS.

E. RAM-1 PARTICULATE MONITORING WAS PERFORMED NEAR GRIZZLEY ON SITE DURING LOADING. NO SIGNIFICANT READINGS WERE OBTAINED.

F. WVAPCC FRED SIZEMORE AND TWO INSPECTORS WERE AGAIN ON SCENE TO OBSERVE LOADING OF PCB SOIL FROM STAGED PILE AND WERE SATISFIED WITH DUST CONTROL MEASURES.

G. OHM ENGINEER ACTIVELY WORKING ON DESIGN UPGRADE TO SOLVE SLUDGE BUILDUP PROBLEM.

H. TAT DPO STEVE JARVELA INFORMED OSC THAT TAT COST TRACKING SHOULD BE CHANGED FROM \$65/HR LOADED ESTIMATE TO MORE EXACT COSTS.

I. WVDNR WAS CONTACTED TO GIVE UPDATE ON SITE STATUS (PCB STARTUP) AND INVITATION TO VISIT SITE AND PROVIDE INPUT.

J. OHM ERCS PROGRAM DIRECTOR BOB OHNEK ON SCENE.

III. FUTURE PLANS

A. CORRECT TODAY'S STARTUP PROBLEMS BY CLEARING METHANOL DRYER AIR LOCK AND EMPTYING SLUDGE FROM LAMELLA AND CONTINUE TO CALIBRATE SYSTEM WITH PCB SOIL.

B. OSC TO BE ON SCENE TOMORROW 11/8/85.

C. OBTAIN AIR SAMPLE FROM SOIL WATER DRYER PARTICULATE CLARIFIER EXHAUST TOMORROW 11/8/85.

D. INSULATE AUGER #2 STAEM JACKET AS A SAFETY AND EFFICIENCY MEASURE.

E. WVDNR REP TO VISIT SITE WEEK OF 11/11/85.

F. HQ CONTRACTS TO REACH AN AGREEMENT WITH OHM/ERCS ON BLACK BOX RENEGOTIATIONS.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100447

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sun 10-Nov-85 13:40 EST Sys 63 (97)
Subject: SHAFFER POLREP 83

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 83

1. SITUATION: (1900 HRS., 11/8/85)

A. PERSONNEL ON-SCENE:

EPA-1
USCG/AST/GST-2
TAT-2
ERCS-16
HEALTH DEPT.-1

B. ESTIMATED COSTS TO DATE: (COB 11/8/85)

		CEILING
EPA	\$ 27,019	\$ 30,000
USCG/AST/GST	64,395	90,000
TAT	142,000	150,000
ERCS	1,342,452	1,750,000
TOTAL PROJECT	\$ 1,575,866	\$ 2,300,000

C. WEATHER: CLEAR, SUNNY, 32-50 F.

D. NO PCB SOIL PROCESSED THIS DATE. WORK CENTERED AROUND STARTUP PROBLEMS AND CORRECTIONS TO DESIGN.

E. OSC CONCERNED OVER TIME SPENT ON CORRECTING CONTINUOUS STARTUP PROBLEMS AND COST PROJECTION IN RELATION TO FUNDS AVAILABLE TO COMPLETE THIS REMOVAL. COST CUTTING MEASURES HAVE BEEN EFFECTIVE. ESTIMATED LESS THAN \$8K/DAY WHILE STARTUP PROBLEMS ARE OCCURRING. IN ADDITION, CONTRACTS NEGOTIATIONS WILL PROBABLY RESULT IN STILL MORE SAVINGS AND PROJECTED DOLLAR CREDITS. ERCS HAS NOW MOVED INTO THE PCB SOIL TESTING AND DEMONSTRATION PHASE WHICH PLACES PROJECT APPROX. 3 WEEKS BEHIND SCHEDULE. INCIDENTALLY, INITIAL PCB RUN WAS SUCCESSFUL REDUCING PCB CONCENTRATIONS BY 98% (700 PPM IN-10PPM OUT)

F. THE OSC HAS DIRECTED AND INFORMED ERCS THAT FULL SCALE 24 HOUR PER DAY PCB SOIL TREATMENT MUST OCCUR BY WEEK OF 11/11/85 FOR THIS PROJECT TO CONTINUE. THE OSC FEELS THAT THIS IS REASONABLE AND THAT THE EQUIPMENT IS READY EXCEPT FOR SLUDGE TREATMENT. THE OSC HAS DIRECTED ERCS TO SEPERATE AND BATCH TREAT ALL SLUDGES, CONTRARY TO O.H.M. WISHES. THE OSC HAS DETERMINED THAT THIS PROJECT WILL NOT FUND EXPERIMENTATION DESIGNED TO CURE STARTUP

100418

PROBLEMS ASSOCIATED WITH SLUDGE. THERFOR, THE SYSTEM CAN RUN AND EFFECTIVELY TREAT 80% OF ONSITE CONTAMINATED SOILS. IF SLUDGE CAN BE EFFECTIVELY TREATED WITHOUT IMPACTING PROCESS DAY TO DAY EFFICIENCY IT WILL BE DONE, HOWEVER, THE BURDEN OF DEVELOPMENT OF SUCH A SLUDGE SYSTEM WILL BE ON O.H.M. IF SLUDGE CANNOT BE EFFECTIVELY TREATED IT WILL BE DRIED AND DISPOSED OF AS A PCB CONTAMINATED SOLID.

G. THE OSC HAS REQUESTED ASSISTANCE FROM ERT TO DEVELOPE A SLUDGE TREATMENT METHOD IN AN ATTEMPT TO ACCOMODATE O.H.M. CONCERNS. HOWEVER, ALL SUCH WORK WILL NOT BE FUNDED WITH PROJECT FUNDS.

II. ACTIONS TAKEN

A. DESIGNS WERE COMPLETED AND INSTALLATION BEGUN TO ALLEVIATE SLUDGE BUILDUPS:

- ADJUSTABLE WEIRS IN THE EXTRACTOR TO FACILITATE SETTLING.
- GRAVITY FEED SEPERATOR TO ALLOW SLUDGE INPUT DIRECTLY TO THE METHANOL DRIER.
- ADDITION OF A SECOND MINI CLARIFIER IN LINE.

B. ERT, A. ZOWNIR, UPDATED, HQ CONTRACTS, TIM FARRIS, UPDATED. ALL POLREPS ARE NOW BEING E-MAILED TO BOTH.

C. PAUL MCGEE OF CITIZEN'S GROUP CALLED FOR RESULTS OF SAMPLING PERFORMED DOWNSTREAM. VERBAL RESULTS PROVIDED. ALL LESS THAN 10PPM.

D. MEDIA CALLED(PAPER) AND WAS UPDATED.

E. SCARBRO TWP. HEALTH DEPT. WAS ON-SCENE TO INQUIRE ABOUT SITE OPS AND HEALTH EFFECTS.

III. FUTURE PLANS

A. SLUDGE IN LAMELLA TO BE TRANSFERRED TO A SECOND CLARIFIER. LAMELLA TO BE CLEANED.

B. "BLACK BOX" RATES NEGOTIATIONS REGARDING STARTUP PROBLEMS TO CONTINUE.

C. RESOLVE STARTUP PROBLEMS TO ALLOW FOR CONTINUED PCB PROCESSING BY 11/12.

ROBERT E. CARON
FEDERAL ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA,PA.

100449

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Mon 11-Nov-85 15:11 EST Sys 63 (91)
Subject: SHAFFER EQUIPMENT POLREP 84

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 84

I. SITUATION (1900 HRS., 11/10/85)

A. PERSONNEL ON SCENE:

EPA-1	(11/9,10)
USCG AST/GST-2	(11/9,10)
TAT-2	(11/9,10)
ERCS-24,18	(11/9,10)

B. EST COST TO DATE (COB 10/9/85)

		CEILING
EPA	\$ 27,019	\$ 30,000
USCG	64,898	90,000
TAT	122,450	150,000
ERCS	1,356,690	1,750,000
TOTAL PROJECT	\$ 1,573,057	\$ 2,300,000

C. WEATHER: CLEAR, SUNNY, 45-70 DEG

D. EFFORTS CONTINUE TO CORRECT SLUDGE BUILDUP AND HANDLING IN SYSTEM.

E. ERCS HAS A FRIDAY 11/15/85 DEADLINE TO GET SYSTEM STARTED AND FULLY OPERATIONAL.

F. HQ CONTRACTS CONTINUES RENEGOTIATING BLACK-BOX ITEMS AND RATES IN REGARDS TO STARTUP COSTS.

II. ACTIONS TAKEN

A. SLUDGE WAS CLEANED OUT FROM EXTRACTOR AND LAMELLA AND TRANSFERRED TO A SEPARATE TANK 11/9; THE SLUDGE WAS THEN PUMPED ONTO THE STAGED SOIL PILE 11/10.

B. DECONTAMINATION PROTOCOLS WERE UPGRADED TO PREVENT CONTAMINATION MIGRATION OFF SITE INTO "CLEAN" AREAS.

C. TESTS RUN ON SAMPLES THAT WERE OBTAINED FROM LAMELLA SLUDGE INDICATED THAT THE SLUDGE WILL HAVE TO BE BATCHED OR RUN THROUGH A MIXING VESSEL, AS IT IS NOT EXTRACTABLE AS IS.

D. MODIFICATIONS TO SYSTEM FOR SLUDGE TREATMENT BEGUN. ADDITIONAL PIPING IS BEING INSTALLED BETWEEN LAMELLA, SETTLING TANK AND CLARIFIER IN PREPARATION FOR SLUDGE HANDLING AND TREATMENT.

100450

E. AS A RESULT OF HQ CONTRACTS RENEGOTIATIONS, CREDITS ARE APPEARING ON DAILIES FOR ITEMS PREVIOUSLY CHARGED AS NONINCLUSIVE IN BLACK BOX PRICE.

F. RECALCULATION OF ESTIMATED TAT EXPENDITURES RETROACTIVE TO 9/28/85 USING MORE EXACT ESTIMATES INSTEAD OF THE LOADED \$65/HR ESTIMATE RESULTED IN AN ADJUSTMENT CREDITED TO THE PROJECT IN EXCESS OF \$22,000.

G. AS A COST-SAVING MEASURE, A REDUCED NUMBER OF STAFF AND ERCS PERSONNEL WERE ON SCENE SUNDAY 11/10 WHILE CLEANING AND FABRICATION WAS TAKING PLACE.

H. DUE TO AN EMERGENCY RESPONSE, USCG AST SNYDER WAS DEMOBILIZED FROM THE PROJECT 11/10. REPLACEMENT WILL BE PROVIDED WHEN LEVEL OF OPERATIONS INCREASES OR AS USCG REQUIREMENTS PERMIT. USCG/GST EM2 GILLESPI REMAINS ON SCENE.

III. FUTURE PLANS

A. CONTINUE TO RESOLVE STARTUP PROBLEMS AND BE ON LINE BY 11/15/85.

B. IN RESPONSE TO THE OSC'S 11/15 OPERATIONAL DEADLINE, ERCS TO WORK 24 HOURS PER DAY ON FABRICATION OF SLUDGE PROCESS MODIFICATIONS.

C. HQ CONTRACTS TIM FARRIS TO CONTINUE NEGOTIATING BLACK BOX/STARTUP COSTS.

ROBERT CARON, OSC
EPA REGION III
PHILA., PA

100451

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 12-Nov-85 19:31 EST Sys 63 (102)
Subject: SHAFFER POLREP 85

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 85

I. SITUATION (2000 HRS., 11/12/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG/GST-1
TAT-2
ERCS-24

B. EST COST TO DATE (COB 11/11/85)

		CEILING
EPA	\$ 27,605	\$ 30,000
USCG	65,426	90,000
TAT	125,231	150,000
ERCS	1,367,848	1,750,000
TOTAL PROJECT	\$ 1,586,110	\$ 2,300,000

C. WEATHER: OVERCAST, 50-70 DEG

D. BASED ON COST AND CONTRACT CONCERNS THE OSC HAS DETERMINED THAT ERCS WILL HAVE A FRIDAY 11/15/85 DEADLINE TO GET SYSTEM UP AND OPERATIONAL. PREPERATIONS BEGUN FOR 24 HOUR OPERATIONS.

E. ERCS WILL HAVE 7 DAYS DURING PCB STARTUP PHASE TO OPTIMIZE AND CALIBRATE PROCESS.

F. "BLACK BOX" NEGOTIATIONS CONTINUE BETWEEN HQ CONTRACTS AND ERCS REGARDING START UP COSTS. THE FOLLOWING CHARGES HAVE BEEN CREDITED TO THE PROJECT TOTAL EXPENDITURE THUS FAR:

DATE	ITEM	AMOUNT
10/21-23	*FLOW METERS & PUMP	\$ 108.00
10/23	*TANKER MOBILIZATION	237.00
10/27	*185 CFM COMPRESSOR	960.00
11/4	SMALL EQUIPMT MOBE CHGS	202.73
11/4	*MISC FIELD PURCHASES	16,403.86
11/6	*NITROGEN TANK RENTAL	950.40
11/11	CABOT NATURAL GAS OVEREST.	16,000.00
	TOTAL CREDITS \$	34,861.99

*DENOTES BLACK BOX ITEM

100452

II. ACTIONS TAKEN

A. FABRICATION FOR SLUDGE LINES CONTINUED. PIPING WAS REROUTED BETWEEN EXTRACTOR, LAMELLA, AND SLUDGE HOLDING TANK/CLARIFIER.

B. IN RESPONSE TO THE 11/15 DEADLINE, ERCS HAS STARTED WORKING 24-HRS ON FABRICATION OF SLUDGE HANDLING SYSTEM.

C. OSC COORDINATED 11/12 WITH TAT AND USCG TO PROVIDE ADDITIONAL SUPPORT FOR 24-HR OPERATIONS BEGINNING THURSDAY 11/14. ONE ADDITIONAL TAT AND ONE ADDITIONAL AST WILL BE AVAILABLE INITIALLY DUE TO OTHER TAT AND USCG PERSONNEL REQUIREMENTS. ADDITIONAL PERSONNEL ARE TO BE ALLOCATED FOR 24-HR SHIFT SUPPORT WHEN PERSONNEL RESOURCES BECOME AVAILABLE.

D. OSC UPDATED HQ CONTRACTS TIM FARRIS ON SITE STATUS. CONTRACTS CONTINUED NEGOTIATIONS WITH ERCS/OHM REGARDING BLACK BOX/STARTUP COSTS.

E. DISPOSAL OPTIONS WERE EXPLORED FOR PCB-CONTAMINATED METHANOL AND CARBON. PCB CONTAMINATED CARBON WILL POSSIBLY BE DISPOSED OF IN 30-GALLON PLASTIC DRUMS FOR INCINERATION AT \$0.87/LB.(250LB/DRUM). ESTIMATED TOTAL CARBON GENERATED IS 100,000LB. SPENT METHANOL TREATED THROUGH CARBON TO REMOVE PCB TO LESS THAN 20 PPM WILL POSSIBLY BE SENT TO THE CALDWELL SYSTEMS HAZWASTE INCINERATOR AS A FUEL AT NO COST TO PROJECT. ERCS WILL CONTINUE INVESTIGATING DISPOSAL ALTERNATIVES.

F. OHM/ERCS PROGRAM DIRECTOR BOB OHNEK REMAINS ON SCENE.

III. FUTURE PLANS

A. FABRICATION TO BE COMPLETED TOMORROW 11/13/85 AND LINES TO RECHARGED WITH METHANOL AND LEAK TESTED.

B. WHEN LEAK TESTS PROVE SUCCESSFUL, PCB SOIL WILL BE INTRODUCED TO THE SYSTEM FOR PROCESSING.

C. ADDITIONAL SUPPORT PERSONNEL TO BE ON SCENE AS EARLY AS THURSDAY 11/14/85.

D. OSC TO PREPARE ADDITIONAL FUNDING REQUEST.

E. AIR MONITORING PROGRAM TO BE REINSTATED UPON INTRODUCTION OF METHANOL IN LINES AND RESUMPTION OF OPERATIONS.

**ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA**

100453

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 14-Nov-85 9:38 EST Sys 63 (111)
Subject: SHAFFER POLREP86

CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 86

I. SITUATION (1800 HRS., 11/13/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG/GST-1
TAT-2
ERCS-24

B. EST COST TO DATE (COB 11/12/85)

		CEILING
EPA	\$ 27,923	\$ 30,000
USCG	65,615	90,000
TAT	126,137	150,000
ERCS	1,379,406	1,750,000
TOTAL PROJECT	\$ 1,599,161	\$ 2,300,000

C. WEATHER: MORNING SHOWERS, AFTERNOON OVERCAST, 50-70 DEG

D. ERCS CONTINUES TO WORK AROUND THE CLOCK TO MEET OSC'S 11/15 DEADLINE.

II. ACTIONS TAKEN

A. FABRICATION OF SLUDGE LINES CONTINUED.

B. DECISION WAS REACHED BY OSC AND ERCS TECHNICAL PERSONNEL REGARDING SPE *THANOL TREATME'PQAMINATED CLARIFIER WATER TREATMENT PROCEDURE:

1. METHANOL TREATMENT-

SPENT METHANOL WILL BE PASSED THROUGH BAG FILTERS TO REMOVE REMAINING SUSPENDED PARTICULATES. THE METHANOL WILL THEN BE CHARGED TO THE CARBON CELLS. CARBON WILL BE ADDED SLOWLY (DUE TO HEAT FORMATION) BAG BY BAG AND ALLOWED TO SETTLE. THE METHANOL WILL THEN BE DRAINED FROM THE CARBON CELL AND PUMPED TO A TANKER FOR TRANSPORT TO A HAZWASTE INCINERATOR (SEE POLREP 85). THE CARBON WILL BE SLURRIED WITH WATER FROM A 5000-GAL STORAGE/HOLDING TANK AND THEN PUMPED WITH A DIAPHRAGM PUMP ONTO A SCREEN SYSTEM. THE SCREEN WILL SEPARATE THE CARBON FROM THE WATER, WHICH WILL DROP INTO A TROUGH AND BE RETURNED TO THE HOLDING TANK UNTIL IT IS

DETERMINED THAT THE WATER CAN NO LONGER BE REUSED. IT WILL THEN BE TRANSFERRED TO THE PARTICULATE CLARIFIER.

2. CONTAMINATED WATER TREATMENT-

CONTAMINATED WATER FROM THE PARTICULATE CLARIFIER WILL BE PUMPED INTO A SETTLING POOL WHERE A FLOCCULATING AGENT WILL BE APPLIED. IT WILL THEN BE PUMPED INTO ANOTHER POOL FOR PH ADJUSTMENT. SAMPLES WILL BE OBTAINED. WHEN APPROVED, THE WATER WILL THEN BE DISCHARGED TO THE UNDERFLOW DAM NEAR THE STAGED SOIL PILE.

100454

C. AFTER CONSULTATION WITH THE EXTRACTOR MANUFACTURER, THE INTERNAL MATERIALS HANDLING/TRANSPORT PINS WERE CHANGED FROM AN ANGLE OF 45 DEGREES TO 30 DEGREES IN AN EFFORT TO REDUCE SLUDGE PRODUCTION.

D. TWO ADDITIONAL SIGHT GLASS PORTS WERE INSTALLED ON THE LAMELLA COVER TO ENABLE OBSERVATION OF SLUDGE LEVELS.

E. ADDITIONAL PERSONNEL WERE PLACED ON STANDBY FOR 24-HOUR SUPPORT: THREE ADDITIONAL USCG/AST AND TWO ADDITIONAL TAT. PERSONNEL WILL BE NOTIFIED WHEN 24-HOUR PROCESSING IS EXPECTED TO BEGIN.

F. OSC AND 1 TAT RESPONDED TO AN CHEMICAL EMERGENCY IN THE AREA AT 1500 HOURS. USCG/GST EM2 GILLESPIE ACTED AS OSC REP DURING THE OSC'S ABSENCE ON SITE.

G. WVDNR AND ERT WERE UPDATED ON SITE STATUS.

H. ERCS/OHM PROGRAM DIRECTOR BOB OHNEK REMAINS ON SCENE.

III. FUTURE PLANS

A. OSC TO RETURN TOMORROW 11/14/85.

B. FABRICATION AND SEALING OF EQUIPMENT TO BE PERFORMED BY NIGHT SHIFT THIS DATE.

C. FIVE ERCS CREW MEMBERS TO BE ON SCENE 0630 TOMORROW TO PRESSURE TEST NEW LINES AND EQUIPMENT WITH NITROGEN.

D. METHANOL TO BE REINTRODUCED INTO SYSTEM TOMORROW AND LEAK TESTS TO BE PERFORMED.

E. PCB SOIL TO BE PROCESSED TOMORROW 11/14 PROVIDED SYSTEM PASSES LEAK TESTS.

F. EXTENDED SAFETY MEETING TO BE HELD FOR BOTH SHIFTS TO REVIEW LEVELS OF PROTECTION AND PRECAUTIONS REGARDING PCB AND METHANOL HAZARDS PRIOR TO METHANOL CHARGING IN SYSTEM.

G. AIR MONITORING PROGRAM TO BE REINSTATED UPON METHANOL REINTRODUCTION IN SYSTEM 11/14.

H. ADDITIONAL SUPPORT PERSONNEL EXPECTED ON SCENE SATURDAY 11/16.

I. OSC TO PREPARE ADDITIONAL FUNDING REQUEST.

R. E. CARON, OSC, EPA REGION III, PHILA., PA

100455

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 15-Nov-85 18:01 EST Sys 63 (114)
Subject: SHAFFER POLREP 87

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 87

I. SITUATION (0100 HRS., 11/15/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG/GST-1
TAT-2
ERCS-

B. EST COST TO DATE (COB 11/13/85)

		CEILING
EPA	\$ 28,120	\$ 30,000
USCG	65,813	90,000
TAT	126,921	150,000
ERCS	1,390,957	1,750,000
TOTAL PROJECT	\$1,611,811	\$ 2,300,000

C. WEATHER: OVERCAST, 50-75 DEG

D. PREPARATIONS BEING MADE FOR 24-HR OPERATIONS; ADDITIONAL SUPPORT PERSONNEL PLACED ON STANDBY.

E. SYSTEM STARTUP WITH PCB SOIL BEGUN THIS DATE AT 2.5 TON PER HOUR RATE. DESPITE SOME TECHNICAL DIFFICULTIES UPON STARTUP THE SYSTEM PERFORMED EXCEPTIONALLY WELL WITH A CONSTANT RUN TIME OF OVER SIX HOURS PRIOR TO SYSTEM STANDBY TO TREAT SLUDGE. RUN TO CONTINUE THROUGHOUT NIGHT TO DEVELOPE DATA TO ENABLE PROPER OPTIMIZATION. OSC EXTREMELY PLEASED WITH THESE RESULTS.

F. OSC PASSED THESE POSITIVE RESULTS ON TO CONTRACTS AND REGION.

II. ACTIONS TAKEN

A. FABRICATION ON SLUDGE HANDLING MODIFICATIONS COMPLETED THIS DATE.

B. SECOND SHIFT CREW WAS ON SITE DURING THE DAY FOR TRAINING IN OPERATING THE PROCESS EQUIPMENT. EXTENDED SAFETY MEETINGS WERE HELD BOTH IN THE MORNING AND AFTERNOON FOR REVIEW OF CONTINGENCIES, USE AND LOCATIONS OF FIRE EXTINGUISHERS, AND PCB AND METHANOL HAZARDS.

C. PIPING AND EQUIPMENT WERE PRESSURE AND LEAK TESTED. METHANOL WAS CHARGED TO THE SYSTEM AT APPROXIMATELY 1430 HRS THIS DATE; SEVERAL MINOR LEAKS WERE ENCOUNTERED AND REMEDIED WITH SILICON SEALANT.

D. PCB SOIL WAS INTRODUCED TO THE SYSTEM AT APPROXIMATELY 1635 HOURS. THE SYSTEM WAS SHUT DOWN SHORTLY AFTER STARTUP FOR THE FOLLOWING REASONS:

- AUGER #3 (SOIL DISCHARGE FROM METHANOL DRYER) PLUGGED WITH SOIL FROM PREVIOUS RUNS. DOWNTIME WAS INCURRED WHILE AUGER CHUTE WAS OPENED AND UNCLOGGED. SYSTEM WAS RESTARTED.
- SOIL BUILDUP OCCURRED IN THE EXTRACTOR, WHICH FLOODED THE METHANOL DRYER. HIGH AMBIENT AIR READINGS WERE INDICATED ON OVA IN THE WORK AREAS APPARENTLY DUE TO METHANOL DISCHARGING ONTO THE PROCESSED SOIL PAD. SYSTEM WAS SHUT DOWN WHILE EXTRACTOR COVER WAS REMOVED AND INTERNAL WIER WAS MANUALLY CUT BY PERSONNEL IN LEVEL B PROTECTION.

100456

THE SYSTEM WAS IN OPERATION FOR APPROXIMATELY 9 TOTAL HOURS INCLUDING SLUDGE TREATMENT TIME. UNOFFICIAL PRELIMINARY DATA OF EFFLUENT SOILS INDICATE THAT SOME WORK IS NECESSARY TO OPTIMIZE EXTRACTION EFFICIENCIES. SYSTEM OPERATED AT ONLY 92% EFFICIENCY RESULTING IN SOME TREATED SOIL OVER 25 PPM. ADJUSTMENTS TO LOADINGS AND RESIDENCE TIME SHOULD CORRECT THIS.

E. MATERIALS FOR SETTLING POOLS TO BE USED FOR CONTAMINATED WATER TREATMENT WERE DELIVERED ON SCENE.

F. OHM/KBI JOE KIRK ON SCENE; ERCS PROGRAM DIRECTOR BOB OHNECK REMAINS ON SCENE. OFFICIAL CHANGE IN ERCS RESPONSE MANAGER FROM LLOYD STAUFFER TO GARY ROSEMAN APPROVED BY OSC.

G. TWO TAT AND THREE USCG/AST PERSONNEL PLACED ON STANDEY FOR MOBILIZATION FOR 24-HOUR OPERATIONS SUPPORT, AWAITING WORD ON PROCESS STARTUP, AND CONTINUED 24 HOUR OPS.

III. FUTURE PLANS

A. CONTINUE TREATING PCB SOIL 24 HOUR PER DAY WHICH WILL MAINTAIN SYSTEM EQUILIBRIUM AND BE MORE COST EFFECTIVE OVER THE LONG TERM.

B. CONTINUE THE COLLECTION AND ANALYSIS OF DATA TO ALLOW FOR SYSTEM OPTIMIZATION AND INCREASED RATES.

C. FINALIZE DISPOSAL METHODOLOGY AND SEEK OPEN IN COMPLIANCE FACILITIES.

D. LOCATE AND MOBILIZE ADDITIONAL TAT OR USCG RESOURCES TO STAFF TWO SHIFTS FOR 24 HOUR COVERAGE.

E. MONITOR O.H.M. PERFORMANCE DURING THIS ONE WEEK LONG PCB SOIL TESTING PHASE TO ASSURE COMPLIANCE WITH SPECIFICATIONS FOR TREATMENT.

F. INFORM BOTH WVDNR AND WVPCC OF RESULTS.

G. UPON RECEIPT OF SYSTEM DATA AND DISPOSAL METHODS COMPLETE AND SUBMIT AN ADDITIONAL FUNDING REQUEST. PRELIMINARY DATA INDICATES REQUEST MAY BE AS HIGH AS \$400K.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100457

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Sat 16-Nov-85 22:33 EST Sys 63 (105)
Subject: SHAFFER POLREP 88

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

**ATTN: TIM FIELDS AND TOM MASSEY
POLREP 88**

I. SITUATION (2000 HRS., 11/16/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/GST-3
TAT-5
ERCS-33

B. EST COST TO DATE (COB 11/14/85)

		CEILING
EPA	\$ 28,540	\$ 30,000
USCG	66,082	90,000
TAT	128,063	150,000
ERCS	1,423,612	1,750,000
TOTAL PROJECT	\$1,646,297	\$ 2,300,000

**C. WEATHER: OVERCAST, 50-60 DEG (11/15/85)
RAIN, 50's (11/16/85)**

**D. PROCESS RUN AND MODIFICATIONS SUCCESSFUL; 24-HOUR OPERATIONS
BEGUN.**

**E. ERCS HAS A SEVEN-DAY PERIOD (UNTIL THURSDAY 11/21) TO OPTIMIZE
SYSTEM FOR PROCESSING CONTAMINATED SOILS.RUN**

II. ACTIONS TAKEN

**A. PCB SOIL PROCESSED AT 5 TONS/HOUR. FOUR PHASES OF EXTRACTION
OPERATION IDENTIFIED:**

- PCB SOIL PROCESSING
- SLUDGE PROCESSING
- TREATMENT OF CONTAMINATED METHANOL
- TREATMENT OF CONTAMINATED WATER

**B. ERCS PERSONNEL OVERLAPPED WITH NEW CREW FOR TRAINING ON
OPERATING PROCESS EQUIPMENT. PERSONNEL WERE ASSIGNED TO SHIFTS
AND TO DESIGNATED EQUIPMENT FOR 24-HOUR OPERATION 11/15.**

**C. ADDITIONAL SUPPORT PERSONNEL ARRIVED ON SCENE 11/16:
USCG/AST- DCC FOX (SITE SAFETY) AND MK3 MCCAIN (DOCUMENTATION)
TAT-C.LEE (TEMPORARY RELIEF), M. EFRANI (REG 6) AND M. TUCKER**

**D. A THOROUGH SITE SAFETY MEETING WAS HELD-USE AND LOCATIONS OF
FIRE EXTINGUISHERS, ALARM CODES AND CONTINGENCIES, AND
IMPROVEMENTS ON METHOD OF OPERATIONS WERE PRESENTED.**

**E. LOAD OF FRESH METHANOL WAS DELIVERED ON SITE THIS DATE DUE TO
SATURATION OF PROCESSED METHANOL RESULTING IN REDUCED EFFICIENCY.**

**F. VACUUM TANKER WAS DELIVERED 11/16 AND PLACED ON METHANOL
STORAGE PAD TO RECEIVE CARBON-TREATED METHANOL FOR TRANSFER TO
CALDWELL WHERE IT WILL BE USED AS A FUEL ADDITIVE.**

**G. CARBON CELLS WERE CHARGED WITH ACTIVATED CARBON. SPENT
METHANOL WAS PASSED THROUGH THE BAG FILTERS TO REMOVE REMAINING
PARTICULATES AND THEN PASSED THROUGH THE CARBON CELL AND INTO THE
TANKER 11/16.**

**H. DUE TO SATURATION OF METHANOL, SLUDGE THAT WAS TREATED WAS
OVER THE SPECIFIED 25 PPM AND WILL HAVE TO BE REPROCESSED.
SAMPLE DATA THAT WAS OBTAINED FROM THIS SLUDGE WILL BE COMPARED
TO OUTLET CONCENTRATIONS AND USED TO CALCULATE OPTIMIZATION
EFFICIENCIES.**

100458

I. DECON STATION WAS UPGRADED.

J. ONE WATER TREATMENT POOL SET UP. MATERIALS FOR THE OTHER POOL WERE DELIVERED 11/15.

K. CONTAMINATED WATER WAS PUMPED FROM THE PARTICULATE CLARIFIER TO THE TREATMENT POOL.

L. OFF SITE MONITORING FOR PARTICULATES WAS PERFORMED 11/15- NO INDICATIONS ABOVE BACKGROUND. NO SIGNIFICANT READINGS ON OVA WERE DETECTED 11/15. NO AIR MONITORING PERFORMED 11/16 DUE TO RAIN.

M. THE OSC DESIGNATED OSC REP RESPONSIBILITIES TO EM2 GILLESPIE DURING OCS'S ABSENCE DURING THE NIGHT SHIFT.

N. KBI/OHM JOE KIRK AND ERCS PROGRAM DIRECTOR BOB OHNECK REMAIN ON SCENE.

III. FUTURE PLANS

A. PROCESSING TO BEGIN WITH FRESH METHANOL THIS DATE.

B. PROCESSED SLUDGE OVER 25 PPM FROM 11/15 RUN TO BE REPROCESSED AND DATA TO BE OBTAINED.

C. TAT C. LEE TO DEPART TO REGIONAL OFFICE TOMORROW 11/17.

ROBERT E. CARON, OSC
EPA REGION III
PHILA., PA

100459

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 19-Nov-85 13:29 EST Sys 63 (94)
Subject: SHAFFER POLREP 89

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 89

I. SITUATION: (1200 HRS., 11/19/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG/AST/GST-3
TAT-5
ERCS-

B. ESTIMATED COSTS TO DATE (COB 11/17/85)

		CEILING
EPA	\$ 29,548	\$ 30,000
USCG	68,014	90,000
TAT	133,346	150,000
ERCS	1,546,610	1,750,000
TOTAL PROJECT	\$ 1,777,518	\$ 2,300,000

C. WEATHER: MORNING FOG, 40-70 DEG, CLEAR

D. PCB SOIL PROCESS TESTING AND OPTIMIZATION RUNS CONTINUE 24 HOURS PER DAY. RUNS AVERAGE 8-12 HOURS IN DURATION PRIOR TO BATCH PROCESS TREATMENT OF COLLECTED SLUDGES. EXTRACTION EFFICIENCIES CONTINUE TO RANGE BETWEEN 65-97% DUE TO CONDITIONS UNKNOWN AT THIS TIME. CONTRACTOR DESIGNING RUNS TO MINIMIZE VARIABLES IN AN ATTEMPT TO IDENTIFY PROPER RUN CONDITIONS TO ALLOW FOR HIGH EFFICIENCY EXTRACTION. MECHANICAL PORTION OF SYSTEM CONTINUES TO OPERATE WELL WITH ONLY MINOR MAINTENANCE PROBLEMS. SLUDGE PRODUCTION IS AT AN ESTIMATED 20% OF THE TOTAL TREATED VOLUME. SLUDGE IS DIFFICULT TO EXTRACT ALTHOUGH LAB DATA DOES INDICATE THAT IT IS POSSIBLE. HOWEVER THE SYSTEM AS IS, IS NOT DESIGNED TO TREAT THIS SLUDGE EFFICIENTLY. OSC CONSIDERING COLLECTION, DRYING TRANSPORT AND DISPOSAL OF THIS SLUDGE AS A COST AND TIME SAVINGS MEASURE. OHM IS CONSIDERING MODIFICATION OF SYSTEM AT THEIR COST TO ALLOW FOR IN LINE SLUDGE TREATMENT.

E. OSC STILL HOLDING TO SEVEN DAY PCB OPTIMIZATION POSITION SINCE BUDGET PROJECTIONS INDICATE THAT UNLESS PROCESS REACHES OPTIMUM CONDITIONS BY THURSDAY, 11/21/85 IT WILL NOT BE POSSIBLE TO COMPLETE PROJECT AT A "REASONABLE" COST. THIS IS BASED ON RESTRAINTS ASSOCIATED WITH THE REGIONAL ALLOCATION AND THE PRESENT SITUATION REGARDING CERCLA FUNDS.

100460
OHM IS AWARE OF THIS POSITION AS IS CONTRACTS AND ERT. OHM IS CONSIDERING THEIR OPTIONS WHICH INCLUDE CONTRACTS NEGOTIATION, COST SHARING OR COVERING THEIR LOSSES. OSC CONSIDERING REQUESTING CONTRACTS BACK ON SCENE TO AID IN DISCUSSIONS SUCH AS THESE SINCE THIS DOES NOT FALL UNDER OSC AUTHORITIES. OHM IS STILL CONFIDENT THAT GIVEN TIME THIS SYSTEM WILL PERFORM AS ORIGINALLY STATED, AND APPEAR VERY WILLING TO DISCUSS FUNDING SITUATIONS AND/OR COST SHARING ISSUES. THE OSC HAS REMOVED HIMSELF FROM ANY DISCUSSIONS ASSOCIATED WITH THIS. OSC REQUESTS ADVICE AND GUIDANCE AS TO HOW TO BEST HANDLE THIS ISSUE.

II. ACTIONS TAKEN

A. PCB SOIL PROCESSING STILL CONTINUES. EFFECTIVENESS VARIES AS PREVIOUSLY STATED.

B. PERSONNEL TRAINING COMPLETE FOR BOTH SHIFTS.

C. TWICE DAILY SAFETY MEETINGS CONTINUE TO BE HELD.

D. FRESH METHANOL DELIVERED THIS DATE.

E. CARBON TREATMENT OF PCB CONTAMINATED METHANOL FOUND TO BE EXTREMELY EFFECTIVE. CARBON TREATMENT NOW BEING PERFORMED CONTINUOUSLY IN LINE TO MAINTAIN PCB CONCENTRATIONS IN THE EXTRACTOR METHANOL LOW WHICH WILL INCREASE EXTRACTION EFFICIENCY.

F. ERCS CONTINUES TO LOCATE AVAILABLE DISPOSAL FACILITIES. CALDWELL, LOCATED IN NORTH CAROLINA IS EXTREMELY INTERESTED IN PCB FREE METHANOL AS A FUEL SOURCE AND IS CONSIDERING ACCEPTANCE AT NO COST.

G. OHM, JOE KIRK AND OHM ERCS PROJECT MANAGER, BOB OHNECK REMAIN ONSCENE.

III. FUTURE PLANS

A. CONTINUE PCB TESTING PROCESS RUNS UNTIL THURSDAY 11/21 .

B. OSC TO DISCUSS AVAILABLE FUND SITUATION WITH CONTRACTS AT 1400 HRS. THIS DATE. DISCUSSION WILL INCLUDE BEST WAY TO CONTINUE PROJECT, CONSERVING FUNDS AND TAKING INTO ACCOUNT THE CONTRACTORS WILLINGNESS TO CONTINUE DESPITE BUDGET CONSTRAINTS.

**ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.**

100461

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Wed 20-Nov-85 11:37 EST Sys 63 (134)
Subject: SHAFFER POLREP 90

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, WV**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 90

I. SITUATION (1100 HRS., 11/20/85)

A. PERSONNEL ON SCENE:

EPA-1
USCG AST/GST-3
TAT-5
ERCS-35

B. EST COST TO DATE WILL FOLLOW IN POLREP 91. OHM IS AN ESTIMATED TWO DAYS BEHIND IN SUBMISSION OF ACCURATE DAILIES DUE TO DESREPARCIES, CREDITS AND TURNAROUND OF NEW DAILIES FROM THE OHM COMPUTERIZED COST CONTROL SYSTEM. THE OSC INFORMED ERCS THAT THIS IS UNACCEPTABLE. THE OSC DIRECTED ERCS TO PROVIDE ALL DAILIES UP TO DATE BY COB THIS DATE. OSC IN RECEIPT OF DRAFT UNSIGNED DAILIES IN THE INTERIM.

C. WEATHER: SUNNY, 50-75 DEG

D. ERCS CONTINUES TO WORK 24 HOURS PER DAY (2 SHIFTS) TO MEET THE OSC'S MIDNIGHT 11/21/85 PROCESS OPTIMIZATION DEADLINE.

E. OSC WORKING CLOSELY WITH HQ CONTRACTS TIM FARRIS REGARDING SCOPE OF WORK AND STARTUP COSTS RENEGOTIATIONS.

F. TO DATE APPROXIMATELY 150 TONS OF PCB SOIL HAS BEEN PROCESSED. OPTIMIZATION WORK CONTINUES SINCE EXTRACTION EFFICIENCIES CONTINUE TO RANGE. OPTIMIZATION TEST RUNS WILL CONTINUE THRU THURSDAY 11/21 UNTIL EFFICIENCIES STABILIZE. CONTINUOUS INLINE CARBON TREATMENT OF PROCESS METHANOL SHOULD AID IN STABILIZING EFFICIENCIES, TO BE TESTED THIS DATE.

G. OSC WAS INFORMED THIS DATE THAT OHM WISHES TO CONTINUE PROJECT DESPITE BUDGET CONSTRAINTS AND THEY ARE WILLING TO NEGOTIATE WITH EPA AT ANY TIME. THEY WILL CONSIDER OPERATING UNDER A SPENDING CAP OR ANY OTHER CONTRACTURAL ARRANGEMENT IN ORDER TO STAY WITHIN PROJECT BUDGETS. OHM IS COMPLETELY COMMITTED TO COMPLETING THIS PROJECT AND IS 100% CONFIDENT THAT THEY CAN MEET THE TREATMENT REQUIREMENTS IN THE VERY NEAR FUTURE.

H. OSC IMMEDIATELY INFORMED THE CONTRACTING OFFICER AS TO OHM POSITION. OSC AND THE CO REVIEWED OHM COST ESTIMATES. CO WAS PROVIDED WITH NECESSARY TECHNICAL INFO AND WILL DISCUSS THE POSSIBLE CONTRACT MECHANISM WITH CONTRACTS MANAGEMENT.

I. OSC IS OF THE TECHNICAL OPINION THAT THE OHM SYSTEM CAN MEET ALL NECESSARY TECHNICAL CRITERIA, HOWEVER, MORE TIME IS NECESSARY TO STREAMLINE AND OPTIMIZE THE SYSTEM. THE OSC HAS DETERMINED THAT PRESENT BUDGETS AND/OR AVAILABLE ADDITIONAL FUNDS WILL NOT ALLOW FOR SUCH WORK AND STILL COMPLETE THE PROJECT. THEREFOR A CRITICAL DECISION POINT WILL BE REACHED BY THURSDAY 11/21 AS TO THE FUTURE OF THIS PROJECT. THE OSC REQUESTS ADVICE AND GUIDANCE AS TO PROPER COURSE OF ACTION AND THE OHM PROPOSAL.

AR100462

II. ACTIONS TAKEN

A. PROCESS CALIBRATION AND OPTIMIZATION HAMPERED BY BREAKDOWNS:

- SECOND BEARING CASING ON SOIL WATER DRYER CRACKED. REPAIR WAS INVESTIGATED DUE TO THE TIME CONSTRAINT BUT REPAIR WAS DETERMINED TO BE UNACCEPTABLE DUE TO THE NATURE OF THE MATERIAL. ANOTHER CASING WAS ORDERED FROM THE DRYER MANUFACTURER AND IS EXPECTED TO BE DELIVERED ON SCENE THIS DATE.

-SOIL OVERLOADED IN THE METHANOL DRYER SHORTLY AFTER STARTUP, RESULTING IN AUGER #3 CLOGGING UP. ERCS CLEANED OUT BOTH THE DRYER AND THE AUGER.

-THE MAIN METHANOL FEED LINE TO THE EXTRACTOR WAS CLOGGED. CLOGGING ALSO OCCURRED IN THE SLUDGE PUMP TO THE LAMELLA AND METHANOL PUMP TO THE CLARIFIER.

-ERCS HAS BEEN WORKING ON CORRECTING THESE PROBLEMS OVER THE PAST TWO DAYS.

B. METHANOL AND SLUDGE WERE PROCESSED DURING SOIL EXTRACTION DOWNTIME. SINCE BAG FILTERS OFTEN BECAME CLOGGED WITH SLUDGE, BAG

FILTRATION WAS BYPASSED AND SPENT METHANOL WAS CHARGED DIRECTLY TO THE CARBON CELLS. SLUDGE THAT BUILT UP ON THE TOP OF THE CELLS WAS PUMPED BACK TO THE EXTRACTOR.

C. RIP-RAP WAS DELIVERED TO BE USED FOR UPGRADING THE AREA AROUND THE PILE AND AS A LOADING RAMP 11/19.

D. FRESH METHANOL AND ADDITIONAL NITROGEN SUPPLY WERE DELIVERED 11/19.

E. IN AN EFFORT TO ISOLATE PROCESS VARIABLES, LAMELLA AND CLARIFIER #2 WERE EMPTIED (SLUDGE PUMPED ONTO SOIL PILE) AND CLEANED OUT TO AVOID CONTAMINATING FRESH METHANOL. SAMPLES WILL BE TAKEN AND DATA COMPILED TO DETERMINE EXTRACTION OPTIMUM SYSTEM PARAMETERS.

F. SAMPLES OF THE CARBON-TREATED METHANOL WERE SENT TO CALDWELL FOR DISPOSAL ANALYSIS.

G. SAFETY PROBLEMS WERE EXPERIENCED WITH ERCS CONCERNING LEVELS OF PROTECTION:

-SOIL WATER DRYER IS NOW A DESIGNATED LEVEL C AREA.

-DUE TO THE POTENTIAL FOR CONTAMINATED SOIL BEING DISCHARGED AT AUGER #3, OPERATOR THAT SHOVELS SOIL SHOULD WEAR A RESPIRATOR.

H. ADDITIONAL TAT SUPPORT ARRIVED ON SCENE TO ASSIST IN 24-HOUR OPERATIONS- D. GRAY (REG 6) AND D. BUTE (REG 3). REG 3 TAT M. TUCKER DEPARTED DUE TO OTHER REGIONAL REQUIREMENTS.

I. KBI/OHM JOE KIRK AND ERCS PROGRAM DIRECTOR BOB OHNECK REMAIN ON SCENE.

III. FUTURE PLANS

A. ERCS TO INSTALL BEARING CASING ON WATER DRYER.

B. ERCS TO COMPLETE CLEANING OF LAMELLA AND CLARIFIER TO RECEIVE FRESH METHANOL.

C. CONTINUE TO OPTIMIZE PROCESS PARAMETERS WHILE RUNNING PCB SOIL.

D. OSC TO KEEP HQ CONTRACTS AND ERT INFORMED OF SITE STATUS AS THURSDAY DEADLINE APPROACHES.

ROBERT CARON, OSC
EPA REGION III

100463

**CERCLA IMMEDIATE REMOVAL
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 91**I. SITUATION: (1800 HRS., 11/21/85)****A. PERSONNEL ON SCENE:**

EPA-1
USCG/AST/GST-3
TAT-4
ERCS-38

B. EST COST TO DATE: (COB 11/19/85)

		CEILING
EPA	\$ 30,820	\$ 35,000
USCG	70,765	90,000
TAT	140,540	150,000
ERCS	1,659,000	1,750,000

TOTAL PROJECT \$ 1,901,125 \$ 2,300,000

C. WEATHER: OVERCAST, COOL, HUMID, 40-55 DEG.

D. AFTER CLOSE COORDINATION WITH HQ CONTRACTS SPECIALIST TIM FARRIS, ERCS WAS INSTRUCTED BY THE OSC TO DECONTAMINATE, DEMOBILIZE AND STABILIZE THIS SITE, AS THE DEADLINE FOR FULL SCALE TREATMENT HAS NOT BEEN MET AS PER CONTRACTURAL AGREEMENT. AS IS, THE SYSTEM IS NOT CAPABLE OF MEETING THE CONTRACT SPECS OF < 25PPM AND 10 TONS PER HOUR. THIS DECISION IS BASED ON EXISTING BUDGET AND THE OVERALL NEED TO ASSURE SITE CLEANUP. OHM INFORMED OSC THAT THEY WOULD LIKE ACCESS TO THE SITE TO CONTINUE TESTING TO ENABLE SYSTEM OPTIMIZATION TO MEET CONTRACT SPECS. OSC HAS DETERMINED THAT THE GOVERNMENT SHOULD NO LONGER BEAR THE BURDEN OF STARTUP COSTS AND HAS REQUESTED CONTRACTS TO AGGRESSIVELY CONTINUE NEGOTIATIONS IN AN ATTEMPT TO RECOVER THESE DOLLARS SO THAT UPON SYSTEM OPTIMIZATION AT OHM'S EXPENSE THERE WILL BE SUFFICIENT FUND DOLLARS AVAILABLE TO COMPLETE THIS SITE.

OHM HAS PRELIMINARILY OFFERED TO MEET WITH THE OSC AND CONTRACTS AND WILL CONSIDER COMPLETION OF PROJECT UNDER A CEILING CAP. OR A NEWLY NEGOTIATED POSITION. OHM MUST MAKE CORPORATE DECISIONS ASSOCIATED WITH COMPANY DOLLARS PRIOR TO ANY RENEGOTIATION. IT IS THE CONSENSUS OF ALL ON SCENE THAT WITH ADDITIONAL IMPROVEMENTS TO THE SYSTEM IT WILL PERFORM AS PER SPECS.

OSC STRONGLY REQUESTS CONTRACTS PURSUE OHM OFFERS AND NEGOTIATE A NEW POSITION TO ENABLE THIS PROJECT TO CONTINUE.

II. ACTIONS TAKEN

A. OSC REVIEWED RUN DATA AND HAS DETERMINED THAT THE SYSTEM IS CAPABLE OF PRODUCING CLEAN SOIL UNDER OPTIMIZED CONDITIONS. THESE CONDITIONS ARE 2 TONS PER HOUR USING REPROCESSED SOLVENT WITH LESS THAN 50PPM PCB. PROCESS IMPROVEMENTS RELATED TO INCREASING THRUPUT WILL ENABLE SYSTEM TO MEET SPECS. INLET CONCENTRATIONS RANGED FROM 200-1000 PPM AND EFFLUENTS WERE RANGING FROM 12-27PPM. SLUDGE PRODUCTION AVERAGES 5% OF TOTAL TREATED VOLUME.

B. THE OSC SUBMITTED A REQUEST FOR USCG/AST SUPPORT DURING THE NEXT PHASE SINCE THE OSC MUST RETURN TO OFFICE TO PURSUE NEW OPTIONS AND NEGOTIATIONS. REQUEST WAS REFUSED DUE TO OTHER COMMITMENTS IN OTHER MISSION AREAS. NO FURTHER SUPPORT FROM THE AST WILL BE PROVIDED. OSC CONFERRED WITH CO ROHRER WHO STATED THAT THE AST IS REVIEWING THEIR STAFF USE AND WILL NO LONGER BE PROVIDING STAFF TO "BABYSIT" EPA PROJECTS AND THAT EPA SHOULD PROVIDE MORE STAFF IN THE FIELD IF NEEDED.

C. OSC SUBMITTED A MEMO TO ERCS INSTRUCTING THEM TO DECON, DEMOB AND STABILIZE SITE. OHM OFFER TO REMAIN ONSCENE AT THEIR OWN COST WAS ACCEPTED UPON REVIEW BY BOTH THE OSC AND CONTRACTS.

III. FUTURE PLANS

A. CONTINUE ON SITE STABILIZATION WORK IN ANTICIPATION OF A TEMPORARY SHUTDOWN. OHM TO REVIEW SYSTEM DATA AND DETERMINE IF THE COMPANY IS WILLING TO FINANCE SYSTEM IMPROVEMENTS.

B. CONTINUE CLOSE COORDINATION WITH CONTRACTS TO RENEGOTIATE PROJECT TO ALLOW FOR CLEANUP UNDER OR NEAR EXISTING BUDGETS.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100464

SPILLSEFA WSH
POLREF 92

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

ATTN: TIM FIELDS AND TOM MASSEY

I) SITUATION: (0900 HRS., 11/29/85)

A) SITE ESSENTIALLY DEMOED. ONLY TREATMENT SYSTEM, COMMAND POST AND 24 HOUR SECURITY GAURDS REMAIN.

B) ALL USED METHANOL HAS BEEN SHIPPED TO CALDWELL INCINERATOR IN NORTH CAROLINA FOR INCINERATION. THIS METHANOL IS CERTIFIED AS LESS THAN 20 PPM PCB WITH APPROX 10% WATER.

C) CONTAMINATED CARBON, USED TO REMOVE PCB FROM METHANOL, HAS BEEN STAGED WITHIN THE CONTAINMENT CELL.

D) CONTAINMENT CELL COVER RESECURED USING GEOTECH FABRIC AND RESEALER.

E) FLOOD DIKE STRENGTHED SINCE W.VA. IS EXPERIENCING EXTREMELY HEAVY RAINS.

F) OHM REVIEWING GENERATED PROCESS DATA AND INTENDS TO SECURE THE SERVICES OF EXPERIENCED CONSULTANTS AND ENGINEERS TO REDESIGN AND IMPROVE PROCESS SYSTEM TO ALLOW FOR COMPLIANCE WITH CONTRACT REQUIREMENTS OF 10 TONS/HOUR AND <25PPM PCB. SOME NEW FABRICATION OF SLUDGE HANDLING EQUIPMENT IS NECESSARY AND WILL REQUIRE ADDITIONAL CORPORATE EXPENSE. OHM WILL COSIDER WHETHER THE COMPANY WILL COMMITT TO ADDITIONAL EXPENSE. OSC SPOKE WITH OHM, JOE KIRK, WHO INDICATED THAT THE COMPANY IS COMMITTED NOT ONLY TO PROVING THIS NEW TECHNOLOGY BUT ALSO TO SATISFACTORILY COMPLETE THE CLEANUP OF THIS SITE. OHM IS ANXIOUS TO BEGIN RENEGOTIATION TO ALLOW FOR REMOB IN A TIMELY FASHION.

G) OSC TO TRAVEL TO HQ CONTRACTS TO MEET WITH THE CONTRACTING OFFICER, PAT FLYNNE AND CONTRACTS SPECIALIST, TIM FARRIS ON MONDAY 12/2/85. OSC WILL PROVIDE ANY AND ALL TECHNICAL INFO TO CONTRACTS TO ALLOW THEM TO DEVELOPE A PRENEGOTIATION POSITION. CONTRACTS IS CONFIDENT IN EPA'S PRESENT POSITION THAT OHM HAS NOT MET THE CONTRACT REQUIREMENTS. OHM DOES NOT CONTEST THIS. CONTRACTS PLANS TO RENEGOTIATE COMPLETION OF THIS PROJECT WITHIN THE EXISTING BUDGET

II) ACTIONS TAKEN

A) OSC ADVISED REGIONAL AND HQ MANAGEMENT OF SITE SITUATION.

B) OSC ADVISED PUBLIC AFFAIRS OF SITE SITUATION.

C) OSC HAS DEVELOPED THE POSITION AFTER REVIEW AND DISCUSSION WITH ERT AND CONTRACTS, THAT TIME IS NECESSARY TO ALLOW FOR BOTH TECHNICAL AND CONTRACTURAL SOLUTIONS TO BE WORKED OUT. IN ADDITION WITH WINTER UPCOMING IT WILL BE DIFFICULT TO PERFORM ANY SITE WORK DUE TO THE SITE'S LOCATION. OSC PRESENTLY CONSIDERING SITE REMOB FOR SPRING, WHILE MAINTAINING BOTH SITE STABILITY AND SECURITY IN THE INTERIM.

III) FUTURE PLANS

A) OSC TO MEET WITH CONTRACTS.

B) CONTRACTS TO BEGIN RENEGOTIATION ASAP.

C) OHM ACTIVELY WORKING ON SYSTEM IMPROVEMENTS AT THEIR COST.

D) OSC AND TAT TO PREPARE AN INTERIM OSC REPORT DETAILING EVENTS TO DATE.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

DISCONNECTED 29-Nov-85 09:46 42

100465

To: KRD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Wed 4-Dec-85 10:34 EST Sys 63 (149)
Subject: SHAFFER POLREP 93

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, WEST VIRGINIA

POLREP 93

ATTN: TIM FIELDS AND TOM MASSEY

1) SITUATION: (0900 HRS., 12/4/85)

A) ON 12/3/85 THE OSC WAS INFORMED BY BOTH THE RESPONSE MANAGER AND THE ONSITE TAT THAT THIS PROJECT WAS ABOUT TO EXCEED CEILING. PREVIOUSLY, THE OSC HAD SECURED A SIGNED PR FOR \$390,000 IN ANTICIPATION OF THIS. THE OSC IN DISCUSSION WITH CONTRACTS ELECTED AT THAT TIME TO NOT INCREASE THE DELIVERY ORDER CEILING SINCE ACTIVE RENEGOTIATIONS WERE ONGOING. UPON LEARNING THAT THE PROJECT CEILING WAS NEAR, THE OSC IMMEDIATELY CONTACTED CONTRACTS SPECIALIST, TIM FARRIS, WHO ADVISED AGAINST INCREASING THE CEILING, PENDING THE OUTCOME OF RENEGOTIATIONS. CONTRACTING OFFICER, PAT FLYNNE AND CONTRACTS SPECIALIST, TIM FARRIS ADVISED THE OSC AS FOLLOWS:

- THE FORM 1900-55 CONTRACTOR DAILY IS ONLY AN ESTIMATE AND DOES NOT REFLECT THE TRUE COST OF THIS PROJECT. ONGOING RENEGOTIATIONS WILL RESULT IN CREDITS WHICH WILL BE SHOWN AT A LATER DATE.

- CONTRACTS IS LEAD AS REGARDS PROJECT CEILING AND COST ISSUES AND HAS ELECTED TO NOT INCREASE OHM CEILING.

- THE OSC WAS ADVISED TO NOT SIGN ANY DAILY WHICH REFLECTS COSTS IN EXCESS OF THE PROJECT CEILING.

- FINALLY, IT IS CONTRACTS POSITION THAT OHM HAS NOT PROVIDED EPA WITH WHAT WAS CONTRACTED FOR AND THEREFOR OHM WILL NOT BE COMPENSATED FOR ANY TREATMENT SYSTEM RELATED COST UNTIL AND IF PROCESS IMPROVEMENTS BEING PAYED FOR BY OHM YIELD A TREATMENT SYSTEM WHICH PROVIDES FOR WHAT EPA HAS CONTRACTED FOR. THEREFOR, THERE ARE IMPROPER CHARGES REFLECTED ON THE DAILIES WHICH AMOUNT TO A CONSIDERABLE AMOUNT. SINCE THE OSC AND ERCS CANNOT AGREE, THIS MATTER IS A CONTRACTS LEAD ISSUE.

- THE OSC IS OFFICIALLY ON RECORD BY TELECON AND BY THIS POLREP AS REQUESTING AN INCREASE IN THE PROJECT CEILING.

B) ON 12/2/85 THE OSC MET WITH CONTRACTING OFFICER, PAT FLYNNE AND CONTRACTS SPECIALIST, TIM FARRIS TO DISCUSS FUTURE NEGOTIATIONS POSITION. THE OSC CONCURS WITH CONTRACTS POSITION THAT NEGOTIATIONS SHOULD BE KEYED TO THE FACT THAT OHM HAS NOT PROVIDED WHAT WAS CONTRACTED FOR. THE OSC PROVIDED TECHNICAL INFO

TO CONTRACTS IN REGARD TO PROBLEMS ENCOUNTERED ON SCENE, PROBLEMS ASSOCIATED WITH THE SYSTEM, PROBLEMS ASSOCIATED WITH OHM COST ACCOUNTING AND OHM BUDGET PROPOSALS. THE OSC PROVIDED THE NECESSARY TECHNICAL INFO TO CONTRACTS AS TO WHAT THE SYSTEM SHOULD BE CAPABLE OF, AND WHAT SPECIFICATIONS COULD BE WRITTEN IN THE CONTRACT LANGUAGE TO ALLOW FOR A TIGHTLY ENFORCEABLE CONTRACT.

C) CONTRACTS PROPOSES TO SEND CORRESPONDENCE THIS WEEK TO OHM REQUESTING A NEW UPDATED, COMPLETE AND ACCURATE COST PROPOSAL FROM OHM WHICH INCLUDES THE USE OF THIS SYSTEM TO COMPLETE THE SITE CLEANUP AND DISPOSAL. IN THIS CORRESPONDENCE CONTRACTS WILL INDICATE THAT A PROJECT COST CAP WILL, BE NEGOTIATED TO EFFECT COST CONTROL, AND THAT ANY AND ALL STARTUP OR SYSTEM DEFICIENCIES ENCOUNTERED IN THE FUTURE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. PREVIOUS STARTUP RELATED COSTS WILL BE NEGOTIATED AND DEFINITIZED WHERE THE GOVERNMENT WILL FUND ONLY THOSE COSTS ASSOCIATED WITH AIR POLLUTION CONTROL AND SYSTEM TESTING/DEMONSTRATION.

THIS POSITION WILL REQUIRE A LARGE CORPORATE COMMITMENT FROM OHM IN TERMS OF BOTH FUNDS AND MANPOWER. IT IS THE OPINION AND CONSENSUS OF ALL CONCERNED THAT THE INTANGIBLE BENEFITS OHM WILL DERIVE FROM COMPLETING THIS PROJECT WILL FAR OUTWEIGH THE COSTS THEY WILL INCUR AND IN FACT OHM SHOULD BE ABLE TO RECOVER THESE COSTS AT FUTURE CLEANUP WHERE THIS SYSTEM IS USED.

100466

D) OHM IS NEW TO THE BUSINESS OF RESEARCHING AND DEVELOPING NEW PROCESSES SUCH AS THIS. ALTHOUGH INITIALLY THE COMPANY FUNDED THE RESEARCH EFFORT THERE APPEARS TO BE SOME HESITANCY ON OHM'S PART TO CONTINUE USING CORPORATE DOLLARS SINCE THE AMOUNT IN QUESTION MAY EXCEED \$500,000. HOWEVER, OHM IS PRESENTLY USING CORPORATE DOLLARS TO STUDY, REDESIGN AND REFABRICATE THE SYSTEM WHERE NECESSARY. THE OSC HAS REQUESTED CONTRACTS TO NEGOTIATE WITH OHM AS REGARDS THESE SYSTEM IMPROVEMENTS SINCE IF A TRUE STRONG EFFORT IS MADE THE SYSTEM HAS THE POTENTIAL TO PERFORM EVEN BETTER THAN ANTICIPATED. IN NEGOTIATIONS, THE INTANGIBLE BENEFITS, IE. NEW MARKET, ETC., FAR OUTWEIGH THE CORPORATE COST.

E) UNOFFICIAL DISCUSSIONS WITH OHM CORPORATE, INDICATE THAT OHM IS VERY OPEN TO SUCH DISCUSSIONS AND HAVE STATED ON SEVERAL OCCASIONS THAT THEY ARE COMPLETELY COMMITTED TO COMPLETING THIS PROJECT. THEY WISH TO REACH A "FAIR" NEGOTIATED COST POSITION WITH EPA AS SOON AS POSSIBLE.

F) CONTRACTS HAS SET AN UNOFFICIAL NEGOTIATIONS COMPLETED DATE OF 1/10/85. OHM MUST RESPOND AND BEGIN SIT DOWN NEGOTIATIONS BY THAT DATE.

II) ACTIONS TAKEN

A) SITE EFFECTIVELY DEMOED. OHM ON SCENE THIS WEEK WITH 5 PEOPLE TO COMPLETE SOIL COVER, AND PROCESS SYSTEM WINTERIZATION. TAT ON SCENE TO MONITOR THIS WORK. PREVIOUSLY REQUESTED USCC/AST SUPPORT REFUSED DUE TO USCC UNAVAILABILITY.

B) THE OSC INFORMED RESPONSE MANAGER THAT HE IS NOT AUTHORIZED TO GO OVER CEILING. CONTRACTING OFFICER, PAT FLYNNE, INFORMED ERCS PROGRAM MANAGER, BOB OHNECK THAT ERCS IS NOT AUTHORIZED TO GO OVER CEILING, THAT ANY WORK PERFORMED OVER THE CEILING AMOUNT IS AT OHM'S RISK, AND THAT OHM IS UNDER NO OBLIGATION TO PERFORM. THIS TELECON OCCURED AT 1500 HRS., 12/3/85. OHM RESPONDED THAT THEY WILL INPUT PREVIOUSLY AGREED UPON CREDITS TO AVOID EXCEEDING CEILING. THE OSC WILL CONTINUE TO STATE IN BOTH WORK ORDERS AND POLREPS THAT ERCS IS NOT AUTHORIZED TO EXCEED THE CEILING.

C) TAT AND OSC INVESTIGATING COST EFFECTIVE ALTERNATIVES TO PROVIDE FOR SITE SECURITY DURING THIS HOPEFULLY SHORT INTERIM TIME PERIOD WHILE AWAITING PROCESS IMPROVEMENTS, ADDITIONS AND CONTRACT NEGOTIATIONS.

D) THE OSC INFORMED REGIONAL MANAGEMENT OF THE ABOVE MENTIONED AND THAT THE OSC WILL NOT BE RESPONSIBLE FOR COSTS INCURRED OUTSIDE THE CEILING. CONTRACTS IS LEAD AS REGARDS PROJECT COSTS.

III) FUTURE PLANS

A) FINAL DECON, DEMOB AND SITE STABILIZATION TO BE COMPLETED THIS WEEK.

B) CONTRACTS ACTIVELY PURSUING RENEGOTIATIONS BEGINNING THIS WEEK.

C) OHM ACTIVELY REDESIGNING SYSTEM AND PLAN TO HIRE CHEMICAL ENGINEERING EXPERTISE FOR REVIEW. OHM TO SUBMIT NEW TECHNICAL PROPOSAL TO EPA BY 12/30/85. OSC AND ERT TO REVIEW PROPOSAL AND PROVIDE DETAILED INPUT TO CONTRACTS.

D) SITE SECURITY TO REMAIN IN PLACE. FLOOD PROTECTION BERM TO REMAIN IN PLACE.

E) ASSUMING EFFECTIVE NEGOTIATIONS AND AVAILABLE FUNDS SITE REMOB TO OCCUR SOMETIME IN LATE JANUARY OR FEBRUARY OR WHEN WEATHER PERMITS.

F) OSC TO CONTINUE ACCURATE POLREP ACCOUNTING OF THIS UNIQUE CONTRACTS SITUATION. OSC TO PREPARE AN INTERIM OSC REPORT DETAILING SITE SITUATION AND CONTRACTING. OSC INTENDS TO PREPARE A CRITIQUE OF THE USE OF ERCS TO PERFORM THIS WORK SHOWING UPSIDE AND DOWNSIDE AND TO RECOMMEND POTENTIALLY BETTER OR EASIER METHODS TO BE USED IN THE FUTURE SO THAT OTHER OSC'S CAN AVOID THE CONTRACT PROBLEMS THAT THIS OSC HAS ENCOUNTERED.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III

100467

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 14-Jan-86 9:04 EST Sys 63 (70)
Subject: SHAFFER POLREP 94

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 94

1) SITUATION: (1700 HRS., 1/11/86)

A) OSC, TAT, EPA-III PUBLIC AFFAIRS (RAY GERMAN) ATTENDED A MEETING WITH THE LOCAL CITIZEN'S GROUP, CITIZEN'S TO SAVE THE PLATEAU. MEETING LASTED APPROX. 8 HOURS. COMPLETE OSC FILE WAS MADE AVAILABLE AND WAS COPIED BY GROUP UNDER FOIA. OSC ANSWERED TECHNICAL QUESTIONS REGARDING DATA, SITE HISTORY, PCB REGS., OTHER PCB CLEANUPS, AND EPA SOP FOR REFERRING INFO TO HEALTH OFFICIALS. TWO TV STATIONS AT MEETING. INTERVIEWS FAVORABLE

B) DR. ANJAB, A PRIVATE PHYSICIAN, HAS OPENED A CANCER TREATMENT CENTER IN NEARBY OAK HILL. AFTER BEING SHOWN THE RESULTS OF AN UNOFFICIAL HEALTH SURVEY DONE BY THE GROUP, HE IS CONVINCED THAT THERE IS AN UNUSUALLY HIGH CANCER RATE IN MINDEN AND THAT IT IS PROBABLY DUE TO SOME ENVIRONMENTAL AGENT. OSC DISCUSSED THIS WITH DR. ANJAB WHO HAS OVER 9 YEARS OF EXPERIENCE TREATING AND RESEARCHING CANCERS. DR. ANJAB HAS PROPOSED THE FOLLOWING:

- PERFORM A HEALTH SURVEY DOOR TO DOOR (HISTORIES ETC.)
- SCREEN LIKELY INDIVIDUALS FOR PCB IN THEIR BLOOD
- PERFORM PCB FAT TISSUE ANALYSIS ON PATIENTS WITH CANCER LIVING IN MINDEN.

THE OSC EXPLAINED TO DR. ANJAB THAT EPA IS NOT A HEALTH AGENCY AND THAT BOTH CDC AND STATE HEALTH BELIEVE THAT NO HEALTH SURVEY IS NEEDED. DR. ANJAB IS AWARE OF THIS AND DISAGREES. HE BELIEVES THAT BY GATHERING THE ABOVE DATA THAT HE WILL CONVINCE HEALTH OFFICIALS THAT THERE IS A NEED FOR THEIR INVOLVEMENT. HE ALSO BELIEVES THAT THE SHAFFER SITE IS NOT THE PRIMARY CAUSE BUT MAY BE A CONTRIBUTING FACTOR.

THE OSC OFFERED ANY AND ALL DATA AND INFORMED THE GROUP THAT IF ANY EVIDENCE EXISTS FOR A NEED FOR FURTHER ENVIRONMENTAL SAMPLING THAT EPA WOULD CONSIDER IT.

C) THE OSC AND OPA WERE PLEASED WITH THE RESULTS OF THIS MEETING SINCE THE CITIZEN'S GROUP IS NOW TURNING THEIR ATTENTIONS TO HEALTH ISSUES AND IS NO LONGER CRITICIZING EPA. IN FACT, WHEN ASKED, THEY BELIEVE THAT EPA HAS DONE A THOROUGH JOB WHEN IT COMES TO THE UTILIZATION OF CERCLA AND PROTECTING PUBLIC HEALTH. HOWEVER, THEY STILL WANT THE PCB REMOVED BEFORE SPRING.

D) CHM HAS SUBMITTED THEIR PROPOSAL FOR COMPLETING WORK AT THE SITE TO BOTH THE CONTRACTING OFFICER AND THE OSC. THEY PROPOSE TO MOBILIZE WITHIN 90 DAYS AND ARE PREPARED TO NEGOTIATE 5 OPTIONS WHICH INCLUDE THE COST CAP SCENARIO, AND AT LEAST A 50% USE OF THE NEW IMPROVED TREATMENT PROCESS. FURTHER INFO CAN BE OBTAINED BY CONTACTING THE OSC.

E) OSC MAINTAINING 24 HOUR SECURITY AND BIWEEKLY INSPECTION BY TAT UNTIL REMOB.

F) OSC UPDATING WDNR, STATE HEALTH AND COUNTY MONTHLY BY POLREP.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100468

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Tue 11-Feb-86 10:32 EST Sys 63 (37)
Subject: SHAFFER POLREP 95

**CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.**

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 95

SITUATION:(0900 HRS.,2/11/86)

A. THE OSC HAS CAREFULLY REVIEWED AND CORRELATED THE VOLUMINOUS ERCS INVOICES FROM THIS SITE. IN LIGHT OF THE ONGOING RENEGOTIATIONS WITH OHM, THE COSTS ASSOCIATED WITH THE WORK PERFORMED BETWEEN SEPTEMBER AND NOVEMBER OF 1985 ARE A PART OF THESE NEGOTIATIONS. CONTRACTS AND OHM ARE WORKING TOWARDS A FINAL AGREEMENT WHICH WILL PROBABLY ENCOMPASS THESE COSTS BY INCLUDING THEM IN EITHER A COST SHARE OR COST CAP AGREEMENT.

THE OSC IS HESITANT TO CERTIFY THESE INVOICES SINCE THE BOTTOM LINE IS THAT DESPITE ALL EFFORTS BY BOTH EPA AND THE CONTRACTOR THE TREATMENT SYSTEM NEVER PERFORMED AS TO CONTRACT SPECS. DISCUSSIONS WITH THE CONTRACT OFFICER LED TO A COMPROMISE POSITION WHERE BY COVER MEMO THE OSC CERTIFIES THAT THE WORK REPRESENTED BY THESE INVOICES WAS PERFORMED AND MONITORED BY EPA BUT ANY COSTS ASSOCIATED WITH THE TREATMENT SYSTEM ARE IN QUESTION SINCE IT DID NOT PERFORM PER SPECS.

B. ACTIVE RENEGOTIATIONS ARE ONGOING WHEREBY OHM WILL COMMIT TO FINISH THE JOB UTILIZING A COMBINATION OF BOTH THE TREATMENT SYSTEM(IMPROVED) AND LANDFILLING. OSC AWAITING OHM FINAL TECHNICAL PROPOSAL.

C. THE OSC AS DESRIBED PREVIOUSLY FORWARDED ALL ERCS INVOICES TO RTP THIS DATE WITH ATTACHED CERTIFYING COVER MEMO.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100469

SPECIAL BULLETIN
SHAFFER EQUIPMENT SITE
CERCLA IMMEDIATE REMOVAL
MINDEN, W. VA.

ATTN: TIM FIELDS AND TOM MASSEY

1) SITUATION: (1600 HRS., 2/15/86)

A) OSC CONTACTED CONTRACTING OFFICER, PAT FLYNNE, BY TELECON THIS DATE. CONTRACTING OFFICER INFORMED OSC THAT IT APPEARS THAT OHM IS RESPONDING TO CONTRACTS RENEGOTIATION EFFORTS UNFAVORABLY, INDICATING THAT COST SHARING ETC. OPTIONS BEING PURSUED WILL NOT BE CONSIDERED BY OHM. OSC INFORMED CONTRACTS THAT THIS IS ABSOLUTELY CONTRARY TO DISCUSSIONS HELD ON-SCENE WHERE OHM UPPER MANAGEMENT EXPRESSED A WILLINGNESS TO DO COST SHARING AND CAPPING SINCE THEIR PERFORMANCE WAS NOT UP TO CONTRACT SPECS. CONTRACTS IS UNDER THE IMPRESSION THAT OHM HAS CLOSED THE DOOR ON SUCH DISCUSSIONS AND THAT UNDER THE ERCS CONTRACT MECHANISM THEY ARE UNDER NO OBLIGATION TO ENTER INTO RENEGOTIATION. OSC FINDS THIS COMPLETELY UNACCEPTABLE. APPARENTLY THERE IS NO MECHANISM UNDER THIS EXISTING CONTRACT TO ALLOW FOR RENEGOTIATION AND OR CORRECTIVE ACTION TO ENABLE WORK TO CONTINUE UNDER THE EXISTING BUDGET UNLESS THE CONTRACTOR IS WILLING TO DO SO. THE BOTTOM LINE IS, THAT IN SPITE OF POOR PERFORMANCE AND LACK OF PERFORMANCE, THERE IS NO MECHANISM TO TAKE CORRECTIVE OR CURE ACTIONS OTHER THAN TERMINATION AND/OR ADDITIONAL EXPENSE TO THE GOVERNMENT BY USING CURE NOTICES.

B) OSC DISCUSSED THIS SITUATION WITH ERT, ANDY ZOWNIR WHO INFORMED OSC THAT SIMILAR SITUATIONS EXIST IN OTHER REGIONS WHERE THIS CONTRACT WAS USED TO ENABLE THE ACCESS TO INNOVATIVE ONSITE TREATMENT TECHNOLOGIES WHERE THE CONTRACTOR DID NOT PERFORM AND THE COMPLETE FINANCIAL RISK LIES WITH THE GOVERNMENT. THIS IS COMPLETELY UNACCEPTABLE. OSC AND ERT PLAN TO MEET WEEK OF 2/24 TO DRAFT AN INTERIM OSC REPORT WHICH WILL RECOMMEND THAT CONTRACTS SEEK THE USE OF OTHER CONTRACT MECHANISMS TO ALLOW THE PROGRAM TO ACCESS NEW TECHNOLOGIES WITH A MORE REASONABLE FINANCIAL RISK SITUATION.

C) OSC WAS CONTACTED BY OHM BOB DHNECK WHO INFORMED OSC THAT OHM HAS STATED AND WILL STATE IN A LETTER REQUESTED BY CONTRACTS THE FOLLOWING:

- OHM IS WIDE OPEN FOR DISCUSSIONS WHICH CAN INCLUDE COST SHARING AND CAPPING.
- OHM IS COMMITTED TO COMPLETING REMOVAL ACTIONS AT THIS SITE.
- OHM REQUESTS TIME (30-60 DAYS) TO PREPARE PROPOSALS WHICH THEY BELIEVE WILL SATISFY THE GOVERNMENT AND ACHIEVE REMOVAL COMPLETION.
- OHM ALSO RECOMMENDS ANOTHER CONTRACT MECHANISM TO AVOID THESE TYPES OF PROBLEMS WHICH LEAD TO MISCONCEPTIONS AND FINGER POINTING.
- OHM IS WILLING TO BEGIN DISCUSSIONS AT ANY TIME.
- OHM APPRECIATES THE OPPORTUNITY TO USE NEW TECHNOLOGIES IN THE FIELD AND WILL PROBABLY PROPOSE A SUCCESSFUL DEMONSTRATION OF THE TECHNOLOGY FOLLOWED BY LANDFILLING IN ORDER TO STAY WITHIN A

REASONABLE BUDGET CONSISTENT WITH THE PROGRAM INITIATIVES OHM BELIEVES THAT CONTRACTS ATTEMPTS AT RENEGOTIATION UP TO THIS POINT HAVE BEEN UNREASONABLE SINCE CONTRACTS WILL NOT ALLOW FOR TIME FOR OHM TO PUT TOGETHER A REASONABLE PROPOSAL WHICH WILL ALLOW FOR REMOVAL COMPLETION AND STILL PROTECT BOTH OHM'S AND THE GOVERNMENT'S INTEREST.

THE OSC REQUESTED A COPY OF THIS LETTER.

THE OSC HAS MIXED OPINIONS REGARDING THE APPARENT DISCREPANCIES BETWEEN WHAT OHM HAS STATED AND CONTRACTS HAS STATED. OHM GIVES THE APPEARANCE THAT THEY ARE WILLING TO CONTINUE RENEGOTIATIONS IN A FAVORABLE LIGHT.

D) SINCE OSC'S DO NOT PARTICIPATE IN CONTRACT NEGOTIATIONS OTHER THAN BY PROVIDING TECHNICAL INPUT TO THE CONTRACT OFFICER, THE OSC HEREBY REQUESTS THAT CONTRACTS CONTINUE AGGRESSIVE RENEGOTIATIONS WITH OHM AND ALLOW FOR THE TIME NECESSARY FOR OHM TO SUBMIT A PROPOSAL WHICH THE PROGRAM CAN REVIEW. SINCE OHM HAS CONTACTED AND INFORMED THE OSC OF THEIR APPARENT WILLINGNESS TO ENTER INTO A FAIR AGREEMENT, REMOBILIZATION ONSITE WOULD BE UNFEASIBLE UNTIL SPRING AND SHOULD ALLOW FOR THE TIME NECESSARY.

E) THE OSC BY THIS POLREP INFORMS AHEAD OF THESE CONTRACTING PROBLEMS AND DEFICIENCIES SINCE IT APPEARS THAT THE ERCS CONTRACT IS NOT FUNCTIONAL FOR THE UTILIZATION OF NEW TECHNOLOGIES CONSISTENT WITH PRESENT CERCLA POLICIES.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPM-111

100470

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.V.A.
SITE I.D. #9

ATTN: TIM FIELDS AND TOM MASSEY
FOIAFF 96

I. SITUATION: (0800 HRS., 4/8/86)

A. IN LIGHT OF THE FACT THAT OHM IS RELUCTANT TO COMMIT TO A STRONG POSITION REGARDING RENEGOTIATIONS WITH THE GOVERNMENT, BOTH THE OSC AND THE CONTRACTING OFFICER HAVE TAKEN THE POSITION THAT ALL EFFORTS TO RENEGOTIATE WITH O.H.M. WILL CEASE. CERCLA REAUTHORIZATION, HQ GUIDANCE AND FUND ISSUES ALSO PLAYED A ROLE IN THOSE DECISIONS.

B. THE OSC, AFTER DISCUSSIONS WITH REGIONAL AND HQ ERD PERSONNEL HAS RECOMMENDED THAT THE REMAINING WORK TO BE PERFORMED AT THIS SITE LENDS ITSELF TO A DIFFERENT CONTRACT MECHANISM.

C. ON 4/4/86 A MEETING WITH FCMD HQ ERD AND REGION III WAS HELD, WHERE IT WAS DETERMINED THAT A COMPETITIVE CONTRACTING MECHANISM COULD BE USED, WHICH WILL RESULT IN:

- COST SAVINGS TO THE GOVERNMENT
- REDUCTION IN PROGRAM PERSONNEL NEEDS (I.E. TAT. MONITORS, ETC.)
- BEST MEET THE NEEDS OF THE PROGRAM BY UTILIZING AN EMERGENCY COMPETITIVE CONTRACT MECHANISM.

ISSUES REGARDING FUNDING (I.E. 60 DAYS) WERE DISCUSSED. A F.R. WILL BE ISSUED BY THE REGION AGAINST FUTURE FUNDS. CONTRACT TIME PERIOD IS ESTIMATED TO BE 90 DAYS TO AWARD.

D. THE OSC HAS DETERMINED THAT SINCE THIS SITE HAS BEEN CONTROLLED AND STABILIZED, IT IS POSSIBLE TO WAIT THE ESTIMATED 90 DAYS BEFORE BEGINNING WORK TO TRANSPORT AND DISPOSE OF THE ESTIMATED 5000 CUBIC YARDS OF PCB CONTAMINATED SOILS.

II. ACTIONS TAKEN

A. THE OSC HAS DRAFTED A SCOPE OF WORK WHICH SPECIFIES THE FOLLOWING:

- PROPER TRUCK LOADING AND DECONTAMINATION PROCEDURES
- TRANSPORTATION (PROPERLY PERMITTED HAULERS)
- LANDFILLING (IN COMPLIANCE, TSCA APPROVED PCB LAND FILL)
- SITE RESTORATION

EPS'S ESTIMATED BUDGET FOR THIS WORK IS \$1.3 MILLION DOLLARS. THIS IS A HIGH SIDE ESTIMATE.

B. THE OSC IS COORDINATING THIS EFFORT WITH HQ ERD (JEAN WRIGHT) AND FCMD (DICK MUELLER)

IV. FUTURE PLANS

- A. SEND SCOPE OF WORK THRU HQERD TO FCMD.
- B. COORDINATE WITH HQERD (JEAN WRIGHT) TO PREPARE JOFDC.
- C. PROVIDE ANY AND ALL TECHNICAL ASSISTANCE TO FCMD TO ALLOW FOR CONTRACTS COMPETITION BY OR AROUND 4/15/86.

ROBERT E. CARON
ON-SCENE COORDINATOR
U.S. EPA-III
PHILADELPHIA, PA

DISCONN

7-407-86 10:57 44

100471

TLX 11 710229269
CONNECTED 11-Apr-86 09:46 32

SPILLSEPA WEM

CERCLA IMMEDIATE REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

ATTN: TIM FIELDS AND TOM MASSEY
PLEASE PASS TO PCMD AND JEAN WRIGHT
POLREP 97

1) SITUATION: (0900 HRS., 4/11/86)

A) ESTIMATED BUDGET FOR T&D TO LANDFILL:	
DISPOSAL (\$125/TON * 5500 TONS) ESTIMATED	\$687,500.00
TRANSPORTATION (300 TRUCKS * \$750/TRUCK)	\$225,000.00
LABOR & EQUIPMENT (INCLUDES LOADING ETC.)	\$150,000.00

TOTAL	\$1,062,500.00
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ESTIMATED PROJECT LENGTH = 60 DAYS.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

DISCONNECTED 11-Apr-86 09:49 54

100472

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 11-July-86 11:11 EDT Sys 63
Subject: SHAEFFER EQUIPMENT POLREP 97

CERCLA REMOVAL SITE
SHAEFFER EQUIPMENT
MINDEN, WV

POLREP #98Y

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (1800 HRS 7/9/86)

- A. OSC AND EPA PROCUREMENT SECTION REPRESENTATIVE, JANET FALLIN, HELD A MEETING ON-SITE WITH INTERESTED COMPANIES CONCERNING THE REMOVAL OF THE ON-SITE WASTE PILE.
- B. TAT MEMBERS MRINAL BISWAS AND JENNIFER BROWN ON-SITE TO PERFORM PHOTODOCUMENTATION AND TECHNICAL ASSISTANCE TO OSC.
- C. LEACHATE WAS OBSERVED COMING FROM THE BERM AROUND THE EASTERN EDGE OF THE WASTE PILE. OSC BELIEVES THAT THE LEACHATE IS GENERATED FROM THE GROUNDWATER TABLE, WHICH IS VERY CLOSE TO THE SURFACE, INTERACTING WITH THE SOIL AND NOT COMING FROM THE WASTE PILE.

II. ACTION TAKEN

- A. TWENTY-FOUR PEOPLE REPRESENTING 18 ORGANIZATIONS ATTENDED THE QUESTION AND ANSWER SESSION REGARDING REQUIREMENTS IN THE BIDDING PROPOSAL AND THE SUBSEQUENT REMOVAL PROJECT.

III. FUTURE PLANS

- A. ALL PROPOSALS FROM PROSPECTIVE BIDDERS SHOULD REACH EPA PROCUREMENT SECTION HEADQUARTERS BY JULY 22, 1986.
- B. EXPECTED AWARD WITHIN 30 DAYS.
- C. OSC TO DIRECT O.H.M. TO REMOVE DRUMS GENERATED DURING THE TREATMENT PILOT AT NO COST TO THE GOVERNMENT.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA

100473

SPILLSEPA WSH
CERCLA REMOVAL SITE
SHAFFER EQUIPMENT CO. SITE
MINDEN, W. VA.

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 99

I) SITUATION: (0800 HRS., 7/22/86)

A) BIDS CLOSE THIS DATE ON IFB FOR T&D OF SOIL FROM THIS SITE. CONTRACTS ESTIMATES 30 DAYS TILL AWARD.

B) OSC REQUESTS HEADQUARTERS INFO AS REGARDS AVAILABILITY OF FUNDS FOR THIS SITE.

C) CITIZENS GROUP STILL ACTIVE. THEY HAVE BEEN IN CONTACT WITH SENATOR ROCKEFELLER'S OFFICE AND ARE STILL UNHAPPY WITH THE GOVERNMENT'S RESPONSE TO THEIR HEALTH CONCERNS. THEY ARE SEEKING THE SENATOR'S HELP IN THIS REGARD. THEY ARE ALSO UNHAPPY AS REGARDS THE LENGTH OF TIME IT HAS REQUIRED TO REMOVE THIS SOIL FROM THEIR TOWN. SEVERAL CORRESPONDENCES BETWEEN EPA-III, THE SENATOR AND THE CITIZENS GROUP HAVE TAKEN PLACE REGARDING CITIZENS CONCERNS OVER SECURITY, CONTAINMENT, AND HEALTH.

D) THE SENATOR'S OFFICE HAS REQUESTED A MEETING BETWEEN CITIZENS AND EPA WHICH THE SENATOR'S AID WILL CHAIR TO AGAIN ANSWER CITIZEN'S CONCERNS REGARDING THE ABOVE MENTIONED ISSUES.

II) ACTIONS TAKEN

A) OSC ADVISED CONGRESSIONAL LAISON (TELLER) OF MEETING. OSC ADVISED OPA. OSC ADVISED SECTION CHIEF MASSEY AND BRANCH CHIEF VOLTAGGION OF UPCOMING MEETING.

B) OSC COORDINATING MEETING WITH BILL ICHORD OF THE SENATOR'S OFFICE. MEETING TENTATIVELY SCHEDULED FOR 7/30.

C) 4 SAMPLES COLLECTED OF SOILS NEAR THE STAGING AREA FOR PCB ANALYSIS. DATA EXPECTED BY 7/23/86. OSC HAS AGREED TO PROVIDE DATA TO MR. ICHORD UPON QA/QC ASSURANCE.

D) OSC ADVISED ATSDR OF PRELIMINARY FINDINGS OF CITIZEN'S HEALTH STUDY IN WHICH THEY CLAIM TO HAVE IDENTIFIED POSSIBLE PCB RELATED ILLNESSES IN MINDEN.

III) FUTURE PLANS

A) OSC TO INVITE WVDNR AND HEALTH TO ABOVE MENTIONED MEETING.

B) OSC TO BE IN HQ 7/24 TO REVIEW BIDS WITH PCMD. CONTRACT AWARD SUBJECT TO AVAILABLE FUNDS.

C) OSC TO CONTINUE COORDINATING ALL EFFORTS RE THE SENATOR WITH CONGRESSIONAL AFFAIRS (TELLER)

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100474

TLX 11 7108229269
CONNECTED 01-Aug-86 11:35 31

SPILLSEPA WSH
CERCLA REMOVAL SITE
SHAFFER EQUIPMENT CO.
MINDEN, W.VA.

ATTN:TIM FIELDS AND TOM MASSEY

POLREP 100

1)SITUATION: (0800 HRS., 8/1/86)

A) SENATOR ROCKEFELLER'S OFFICE SET UP A MEETING WITH CITIZEN'S GROUP FOR 7/30/86. THE FOLLOWING ATTENDED:

- LANE BAILY SENATOR'S AID
- OSC
- APPROX. 30 MEMBERS OF CITIZEN'S GROUP
- NUMEROUS PRESS

B) SENATOR ROCKEFELLER CONTACTED LEE THOMAS RE THIS SITE. DR. PORTER'S OFFICE HANDLED CALL SEEKING INFO FROM REGION. SENATOR REQUESTED SITE BE PRIORITIZED. SITE DOES NOT MEET PRESENT CRITERIA IN PLACE RE REAUTHORIZATION. THIS WAS EXPLAINED TO THE SENATOR.

C) OSC PASSED SAME INFO TO CITIZEN'S.

D) CITIZEN'S PRESENTED FOUR DEMANDS AS FOLLOWS:

- COMPLETE CLEANUP OF SITE NOW
- INCINERATION OF PCB NOT LANDFILL
- WANT A HEALTH SURVEY
- WANT COMPENSATION FOR LOST PROPERTY VALUE.

OSC ADDRESSED EACH AS FOLLOWS:

- SITE WILL BE FUNDED UPON REAUTHORIZATION AND FUND AVAILABILITY. EPA HAS PREPARED A FAIR AND OPEN COMPETITION CONTRACT AND WILL BE PREPARED TO AWARD BY 8/30.

- EPA HAS INVESTIGATED INCINERATION. ONSITE INCINERATION UNACCEPTABLE TO BOTH EPA AND CITIZENS. OFFSITE INCINERATION STILL NOT FEASIBLE AND EXTREMELY COSTLY. SINCE TIME IS CRITICAL TO SITE, LANDFILL OPTION IS BEST CHOICE. UPON THIS EXPLANATION CITIZEN'S GROUP CONCURS.

- EPA IS A REGULATORY AGENCY. CDC IS RESPONSIBLE FOR HEALTH SURVEYS. PREVIOUSLY THE CDC POSITION WAS NO SURVEY WARRANTED.

- SENATOR'S OFFICE TO INVESTIGATE THIS CONCERN. POSSIBLE CLAIM AGAINST THE FUND.

E) OVERALL OSC CONSIDERS MEETING SUCCESSFUL AND POSITIVE. OSC OFFERED ADDITIONAL MEETINGS IF CITIZEN'S REQUEST.

F) OSC TO CONTACT CDC AND ADVISE THEM OF CITIZEN'S DEMANDS.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

DISCONNECTED 01-Aug-86 11:40 39

100475

To: ERD/OERR (EPA5311)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 11-Sep-86 11:01 EDT Sys 63 (68)
Subject: SHAFFER POLREP 101

ATTN: TIM FIELDS AND TOM MASSEY

CERCLA REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN W. VA.

POLREP 101

I) SITUATION: (1700 HRS., 9/10/86)

A) OSC INFORMED THIS DATE THAT THE FIRM FIXED PRICE CONTRACT FOR T&D OF SOIL FROM THIS SITE WAS AWARDED TO CECOS INC. AT A COST OF APPROX. \$ 838,000. (CONTACT PCMD FOR EXACT COST).

B) JANET FALLIN, PCMD, CONTRACT SPECIALIST CONTACTED CECOS PROJECT MANAGER AND INFORMED HIM OF AWARD. FURTHER THEY REQUESTED THAT CECOS BEGIN WORK ASAP. CECOS INFORMED CO THAT 10 DAYS IS REQUIRED PRIOR TO ONSITE MOB. ONSITE MOB EXPECTED 9/24.

C) CO CONTACTED OSC THIS DATE TO INFORM OF AWARD AND REQUESTED OSC CONTACT CECOS AND REQUEST MORE EXPEDITIOUS ONSITE MOB. SECOND COMPANIES PROTEST WAS RESPONDED TO BY PCMD. COMPANY CAN STILL FILE WITH GAO AND POTENTIALLY BLOCK WORK ONSITE. OSC INFORMED CONTRACTS THAT THIS WOULD BE COMPLETELY UNACCEPTABLE DUE TO THE EXTREME SENSITIVE NATURE AS REGARDS THIS SITE AND THE IMMEDIATE NEED TO REMOVE THESE SOILS ASAP AS FLOOD SEASON BEGINS IN THE FALL AND THE PRESENT STABILIZATION IS DEGRADING. IF THIS OCCURS OSC WOULD CONSIDER USING ERCS.

D) SITE IS FUNDED USING 61 MONIES.

E) WHILE OSC IS PLEASED BY AWARD, THERE IS SOME CONCERN AS TO THE LENGTH OF TIME REQUIRED TO PERFORM SUCH CONTRACTING. ADDITIONALLY ADVICE AND GUIDANCE FROM THE REGIONAL STAFF INDICATES THAT THIS PROCESS COULD STAND MUCH IMPROVEMENT SPECIFICALLY IN THAT THERE SOME CONCERNS REGARDING OSC LIABILITY AS BOTH OSC AND PO ARE NOT NECESSARILY A CONCERN OF PCMD. SITE CLEANUPS INCLUDE NUMEROUS OTHER CONCERNS OTHER THAN CONTRACTING. PCMD NEEDS TO INCLUDE THESES CONCERNS IN THEIR PLANNING.

F) THIS TYPE OF CONTRACTING ALLOWS FOR COST SAVINGS AND RESOURCE CONSERVATION. EPA'S ESTIMATE WAS \$1.3 MILLION. (OVER \$400K SAVING)

G) OSC REQUESTS ADVICE AND ASSISTANCE FROM REGIONAL MANAGEMENT AS OSC IS PRESENTLY COMMITTED TO ANOTHER PROJECT. OSC IS OF THE OPINION THAT A FULL TIME EPA OVERSITE IS REQUIRED FOR THIS SITE BECAUSE OF SENSITIVITY.

II) ACTIONS TAKEN

A) OSC CONTACTED CECOS PO AND REQUESTED FASTER ONSITE MOB PER PCMD REQUEST. CECOS WILL TRY.

B) OSC INFORMED REGIONAL AND HQ MANAGEMENT OF AWARD.

C) OSC COORDINATED A JOINT PRESS RELEASE WITH EPA, SENATOR ROCKEFELLER AND CONGRESSMAN STAGGERS FOR RELEASE ASAP. OSC AGAIN REQUESTS ANY ASSISTANCE TO EXPEDITE THIS RELEASE.

D) OSC REQUESTED \$100K TO BE USED BY ERCS TO REMOVE DRUMS STILL REMAINING ONSITE. DRUMS CONTAIN CONTAMINATED LINER, CLOTHING ETC. ADDITIONALLY IF REQUIRED SITE WILL BE DRESSED UPON COMPLETION OF T&D. IT WAS NOT POSSIBLE TO INCLUDE THIS IN THE FIRM FIXED CONTRACT DUE TO THE INEXACT NATURE OF THE WORK WHICH DOES NOT ALLOW FOR AN ACCURATE SPECIFIC SCOPE TO ALLOW FOR BIDDING. OSC WILL ESTIMATE TOTAL MONIES REQUIRED WITHIN THE NEXT WEEK.

III) FUTURE PLANS

A) OSC TO COORDINATE WITH MANAGEMENT AS TO STAFFING NEEDS.

B) OSC TO COORDINATE WITH OPA AS TO COMMUNITY RELATIONS AND NOTIFICATION.

C) MOBE EXPECTED 9/24/86.

100476

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
DWT: ONFI DWT: DO

To: ERD/DEAR (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Posted: Wed 15-Oct-86 11:45 EDT Sys 63 (76)
Subject: SHAFFER EQUIPMENT COMPANY POLREP 102

ATTN: TOM MASSEY & TIM FIELDS
SHAFFER EQUIPMENT COMPANY
MINDEN, WV
CERCLA REMOVAL PROJECT

POLREP 102

I. SITUATION: 1800 HRS., 10-7-86

A. PERSONNEL ON-SCENE:

1. 10-6-86	EPA-1	TAT-1	ERCS-2
2. 10-7-86	EPA-2	TAT-1	ERCS-4

B. COSTS TO DATE:

10-6-86:		10-7-86:	
EPA	300	EPA	600
TAT	300	TAT	570
ERCS	1131	ERCS	2580

C. WEATHER: COOL, CLEAR, LIGHT VARIABLE WINDS

D. 65 DRUMS HAVE BEEN IDENTIFIED FROM PREVIOUS ACTIVITIES AT THE SHAFFER SITE. SOME OF THE DRUMS HAVE BEGUN TO LEAK AND ACCUMULATE RAIN WATER FROM LOOSE BUNGS AND LIDS. ONE DRUM HAS COMPLETELY RUSTED THROUGH THE BOTTOM.

E. ERCS WAS UNABLE TO PRODUCE A DRUM INVENTORY OF THE DRUMS THAT WERE LEFT ON-SITE. APPROXIMATELY 1/2 OF THE DRUMS WERE LABELED. AS A RESULT OF THE DRUMS BEING WEATHERED AND THE LACK OF AN INVENTORY ALL DRUMS WILL BE REINVENTORIED AND SAMPLED FOR DISPOSAL.

F. SIGNS POSTED BY THE CONCERNED CITIZENS TO SAVE FAYETTE COUNTY SAYING, "WARNING PCB HAZARDOUS WASTE, TO AVOID POTENTIAL HEALTH EFFECTS, DO NOT ENTER," STILL REMAIN ON-SITE.

G. APPROXIMATELY 1/3 OF THE SOIL PILE COVER HAS RIPPED AND BECOME SHREDDED DUE TO WIND AND RAIN EXPOSING THE SOIL.

H. RAY GERMANN, EPA/OPA ON SITE FOR A PRESS AVAILABILITY CONFERENCE REGARDING SITE STATUS.

II. ACTIONS TAKEN:

A. 38 DRUMS WERE OPENED AND FOUND TO CONTAIN POOL LINERS, CONTAMINATED CLOTHING, VISQUEEN AND OTHER CONTAMINATED TOOLS. DUE TO LOOSE BUNGS AND LIDS, 6 DRUMS WERE FULL OF RAINATER

AND CONTAMINATED ARTICLES. THESE DRUMS WILL BE REPACKED AND SOLIDIFIED WITH AN ABSORBENT MATERIAL.

III. FUTURE PLANS:

- COMPLETE SAMPLING AND INVENTORY OF ALL DRUMS.
- REMOVE DEBRIS, DRUMS, CONTAMINATED CLOTHING AND PIPES FROM THE SOIL AND PROPERLY CONTAINERIZE FOR DISPOSAL.
- SCRAPE UP CONTAMINATED SOIL FROM THE DRUM STORAGE AREA DUE TO SPILLAGE AND LEAKING FROM WEATHERED DRUMS.
- SAMPLE VISIBLE SIGNS OF LEACHATE SEEPS FROM SOIL PILE.
- ERCS AND TAT TO PROVIDE OPTIONS FOR DISPOSAL OF DRUMMED MATERIALS.
- SOLIDIFY CONTAMINATED RAINWATER ACCUMULATED IN DRUMS.
- COVER SOIL PILE.

GARRETT ARAI, OSC
U.S. EPA REGION III
PHILADELPHIA, PA

100477

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Wed 15-Oct-86 11:47 EDT Sys 63 (51)
Subject: SHAFFER EQUIPMENT COMPANY POLREP 103

ATTN: TOM MASSEY & TIM FIELDS
SHAFFER EQUIPMENT COMPANY
HINDEN, WV
CERCLA REMOVAL PROJECT

POLREP 103

I. SITUATION: 1800 HRS., 10-8-86

- A. WEATHER: SUNNY, LIGHT WINDS, MILD, 70'S
- B. PERSONNEL ON-SCENE: EPA-1, TAT-1, ERCS-4
- C. COSTS TO DATE: EPA 900
TAT 840
ERCS 4537

CEILING: \$98,375

- D. A TOTAL OF 76 DRUMS HAVE BEEN IDENTIFIED FOR DISPOSAL.
- E. ERCS CONTINUES TO REMOVE DEBRIS FROM SOIL PILE.

II. ACTIONS TAKEN

- A. ERCS SAMPLED 22 DRUMS ON EXTRACTOR PAD AND LEACHATE SEEPS AROUND SOIL PILE. LEACHATE SAMPLES SENT TO LAB FOR ANALYSIS.
- B. ERCS COMPLETED SOLIDIFYING DRUMS WHICH HAD STANDING LIQUIDS.
- C. TAT INVENTORIED ALL FLUSHING FLUID DRUMS FOR POSSIBLE CONSOLIDATION BEFORE DISPOSAL.

III. FUTURE PLANS:

- A. TAT TO TAKE PH READINGS FROM DRUMS ON EXTRACTOR PAD FOR COMPATIBILITY.
- B. ERCS TO COVER SOIL PILE AND CONSOLIDATE ALL DRUMS NEAR SOIL PILE.
- C. OSC AWAITING RESULTS OF LEACHATE SEEP ANALYSIS.

GARRETT ARAI, OSC
U.S. EPA REGION III
PHILADELPHIA, PA

100478

To: ERD/OERR (EPASS11)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Wed 15-Oct-86 11:48 EDT Sys 63 (72)
Subject: SHAFFER EQUIPMENT COMPANY POLREP 104

ATTN: TOM MASSEY & TIM FIELDS
SHAFFER EQUIPMENT COMPANY
MINDEN, WV
CERCLA REMOVAL PROJECT

POLREP 104

I. SITUATION: 1500 HRS., 10/10/86

A. WEATHER: 10-09-86: COOL, SUNNY, LIGHT WINDS, 70'S
10-10-86: COOL, CLOUDY, LIGHT WINDS, 60'S

B. PERSONNEL ON-SCENE: 10-09-86: EPA-1, TAT-1, ERCS-4
10-10-86: EPA-1, TAT-1, ERCS-4

C. COSTS TO DATE:

10-09-86	10-10-86
EPA - 1200	EPA - 1500
TAT - 1110	TAT - 1330
ERCS - 6670	ERCS - 8870

CEILING: \$98,375.

II. ACTIONS TAKEN:

- A. TAT INSPECTED LIQUID DRUMS IN STAGING AREA. DRUMS APPEAR TO CONTAIN FLUSHING FLUIDS.
- B. OSC ATTEMPTED TO CONTACT COMPANY THAT MANUFACTURES COAGULANT COMPOUND TO OBTAIN SAFETY AND DISPOSAL INFORMATION.
- C. ERCS TREATED 20 DRUMS ON EXTRACTOR PAD WITH ACTIVATED CARBON.
- D. ERCS COMPLETED REMOVAL OF DEBRIS FROM SOIL PILE AND CONSOLIDATED INTO DRUMS FOR DISPOSAL.
- E. ACCUMULATED RAINWATER WAS PUMPED FROM EXTRACTOR PAD AND HOUSING PAD.
- F. EMPTY DRUMS STAGED FOR REMOVAL.
- G. FULL DRUMS SECURED FOR DISPOSAL.
- H. TAT PREPARED FINAL DRUM INVENTORY FOR DISPOSAL:
 - 9 - FLUSH SOLUTION
 - 4 - COAGULANT SOLUTION
 - 30 - SOLIDS: CLOTHING, DEBRIS
- I. ERCS COVERED SOIL PILE WITH VISQUEEN AND SECURED SITE.
- J. ERCS DEMOED AT 1400 HRS.
- K. OSC CONTACTED WVDNR (PAM HAYES) AND RELAYED SITE STATUS.

III. FUTURE PLANS:

- A. OSC AWAITING RESULTS OF ANALYSIS OF FLUSHING SOLUTIONS AND LEACHATE SAMPLES.
- B. OSC AWAITING SUBMITTAL OF WPR FORMS FOR DISPOSAL OF THE SEPARATE WASTE STREAMS AT THE SITE.

GARRETT ARAI, OSC
U.S. EPA REGION III
PHILADELPHIA, PA

100479

To: ERD/DEAR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Thu 16-Oct-86 17:39 EDT Sys 63 (50)
Subject: SHAFFER POLREP 105

CERCLA REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

ATTN:TIM FIELDS AND TOM MASSEY

POLREP 105

1)SITUATION:(1700HRS.,10/16/86)

A) OSC, CONTRACTS AND HQERD HAVE BEEN ACTIVELY INVOLVED WITH ISSUES SURROUNDING THE OFFSITE REMOVAL OF PCB CONTAMINATED SOIL FROM THIS SITE. CONTRACT AWARDED TO CECOS IN SEPTEMBER. CECOS HAS SUBMITTED WPRs FOR APPROVAL THRU REGULATORY AGENCY.

B) STATE OF OHIO HAS FINAL APPROVAL AUTHORITY. OSC WAS ADVISED BY BOTH CECOS AND CONTRACTS THAT STATE HAD NOT APPROVED WASTE FOR THE WILLIAMSBURG OHIO FACILITY, TAKING THE POSITION THAT THE WASTE STREAM IS UNDER REVIEW AND THAT OHIO HAS A BIG PROBLEM WITH ACCEPTING OUT OF STATE WASTE. OSC CONTACTED STATE TO EXPLAIN SITUATION IN HOPE THAT THIS MIGHT EXPEDITE APPROVAL. NO EFFECT.

C) CECOS HAS INFORMED CONTRACTS THAT THEY ARE ABOUT TO GO INTO DEFAULT ON THIS CONTRACT UNLESS DISPOSAL APPROVALS CAN BE EXPEDITED.

D) AFTER LENGTHY DISCUSSIONS WITH PCMD, AND HQERD THE OSC MADE A SECOND CONTACT TO STATE WITH NO EFFECT. OSC RECOMMENDED THAT PCMD AND ERD PURSUE OTHER OPTIONS. PCMD ALSO REQUESTED ERD INVOLVEMENT. ERD RESPONDED BY INVESTIGATING THE ISSUES AND INVOLVING HQ RCRA OFFSITE COORDINATOR AND REGION 5. TO DATE ALTHOUGH OHIO HAS AGREED TO RECONSIDER NO APPROVALS ARE FORTHCOMING.

E) OSC UPON ADVISEMENT FROM PCMD HAS TASKED TAT TO DEVELOPE A COST ESTIMATE FOR RESECURING THIS SITE IN THE EVENT THAT CECOS DOES DEFAULT. EXISTING ERCS CEILING FOR DRUM DISPOSAL CAN PROBABLY INCLUDE RESTABILIZATION ACTIVITIES. DRUMS ARE PREPARED FOR DISPOSAL. APPROVALS PENDING. ALL WPRs FOR AVAILABLE LANDFILLS IN. DRUMS CONTAIN PRIMARILY PAPER SUITS AND POOL LINERS.

F) PRESS INTEREST BEGINNING SINCE NO SOIL HAS MOVED. PREVIOUS PRESS RELEASE INDICATED PROJECT STARTUP IN EARLY FALL. OSC FULLY EXPECTS BOTH PRESS AND CITIZEN INTEREST TO BEGIN AT ANYTIME. THIS WILL PROBABLY RESULT IN RENEWED CONGRESSIONAL INTEREST AS WELL.

G) OSC AGAIN REQUESTS ANY ASSISTANCE OR ADVISEMENT AS TO HOW BEST TO PROCEED. SOIL IS LOCATED IN A CRITICAL FLOOD PLAIN WITH WET WEATHER ALREADY HERE. OSC CONTEMPLATING USING ERCS TO ARRANGE FOR A REGULAR INSPECTION AND IMMEDIATE EMERGENCY RESPONSE IN THE EVENT OF FLOODING UTILIZING A LOCAL SUB. ADDITIONALLY EXISTING FLOOD DIKES WILL NEED IMPROVEMENT.

ROBERT E. CARON
ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100480

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 21-Nov-86 8:28 EST Sys 63 (68)
Subject: SHAFFER SITE

CERCLA REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, WEST VIRGINIA

ATTN. TOM MASSEY AND TIM FIELDS

DOLREP # 106

I. SITUATION (1700 HRS 11/18/86)

A. PERSONNEL ON SCENE:

EPA 1 TAT 1 ERCS 6

B. EPA, TAT, AND ERCS PERSONNEL MOVED TO SITE ON 11/17/86.

C. SOIL PILE COVER HAS DETERIORATED AND ALLOWED RAIN TO LEACH INTO THE PILE.

D. SNOW FENCE SURROUNDING THE PILE HAS BECOME INADEQUATE SECURITY DUE TO THE WEATHER.

E. COSTS TO DATE: (COB 11/17/86)

EPA \$ 1,800.00
TAT \$ 1,950.00
ERCS \$ 13,367.00

II. ACTIONS TAKEN

A. OSC CONTACTS WVDNR (PAM HAYES) TO ADVISE OF PILE STABILIZATION AND STATUS OF DRUM DISPOSAL FROM SITE.

B. ERCS BEGAN TO STABILIZE THE SOIL PILE BY COVERING WITH GEOTECH FABRIC. THE NEW FABRIC COVER IS TO BE HELD INTO PLACE BY EXISTING BERM SURROUNDING THE PILE. CLAY WILL BE ADDED TO THE BERM SURROUNDING THE PILE TO SECURELY STABILIZE THE BERM.

C. COST ESTIMATES ARE BEING ACQUIRED FOR THE CHAIN LINK FENCE TO SECURE THE SOIL PILE.

D. A SECURITY GUARD WILL SECURE THE SITE DURING THE EVENING HOURS THAT PERSONNEL ARE NOT ON SCENE. RADIO COMMUNICATIONS WERE ESTABLISHED WITH THE OAK HILL POLICE DEPT. IN THE EVENT AN EMERGENCY SHOULD ARISE DURING THE EVENING HOURS.

III. FUTURE PLANS

A. FINISH SECURING THE SOIL PILE WITH GEO-TECH FABRIC MATERIAL.

B. STABILIZE BERMS SURROUNDING THE SOIL PILE.

C. ESTABLISH SECURITY via CHAIN LINK FENCE SURROUNDING THE SOIL PILE.

D. MOVE ALL DRUMS INSIDE THE FENCED AREA TO PROPERLY SECURE.

BARRETT H. ARAI
ON SCENE COORDINATOR
USEPA REGION III
PHILA, PA

100481

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 21-Nov-86 8:38 EST Sys 63 (72)
Subject: SHAFFER POLREP 7

**CERCLA REMOVAL PROJECT
SHAFFER EQUIPMENT SITE
MINDEN, WEST VIRGINIA**

POLREP 107

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (1800 HRS 11/19/86)

A. PERSONNEL ON SCENE:

EPA 1, TAT 1, ERCS 6

B. COSTS TO DATE:

EPA \$ 2,100.00
TAT \$ 2,390.00
ERCS \$16,200.00

C. THE CONTINGENCY SUMPS IN THE EXTRACTOR PADS CONSTANTLY REFILL WITH RAIN WATER.

D. THE SOIL PILE IS NO LONGER EXPOSED TO THE ENVIRONMENT, I.E. RAIN OR WIND.

E. SECURITY TO REMAIN ON SCENE UNTIL FENCE COMPLETE.

II. ACTIONS TAKEN

A. THE TWO CONTINGENCY SUMPS THAT WERE LOCATED IN THE CONCRETE EXTRACTOR PAD WERE POTENTIAL PROBLEMS DUE TO THEIR DEPTH (4-5 FT) COLLECTING RAIN WATER. THE SUMPS WERE PUMPED OUT AND FILLED WITH RED DOG TO PREVENT ANY ACCIDENTS FROM OCCURING. THE CONCRETE DIKES SURROUNDING THE 2 EXTRACTOR PADS WERE BROKEN TO PREVENT ANY FURTHER RAIN WATER FROM COLLECTING.

B. THE SOIL PILE WAS REFURBISHED WITH VISQUEEN AND GEO-TECH FABRIC AND SECURED WITH EXISTING BERM AND CLAY.

C. ALL DRUMS WERE STAGED ON PALLETS AND COVERED WITH VISQUEEN AND GEO-TECH FABRIC LOCATED AT THE WEST END OF THE SOIL PILE.

D. ALL EXISTING SNOW FENCE SURROUNDING THE PILE WAS ROLLED UP AND STAGED ON SITE.

E. BACKHOE WAS DECONTAMINATED AND LOADED FOR DEMOB ON 11/20/86.

F. OSC CONTACTS OPA (RAY GERMANN) TO UPDATE OF SITE SITUATION.

G. ERCS RECEIVES THIRD BID FROM FENCING SUBCONTRACTOR.

III. FUTURE PLANS

A. ELECTRICIAN (SUBCONTRACTOR) TO BE ON SCENE 11/20/86 TO REMOVE TRANSFORMERS FROM POLES AND DELIVER THEM BACK TO OWNER.

B. CHAIN LINK FENCE TO BE INSTALLED SURROUNDING THE SOIL PILE BEGINNING 11/20/86.

C. OSC STILL AWAITING DRUM APPROVALS FOR DISPOSAL FROM ERCS.

**GARRETT H. ARAI
ON SCENE COORDINATOR
USEPA REGION III
PHILADELPHIA, PA**

100482

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Wed 31-Dec-86 13:38 EST Sys 63 (51)
Subject: SHAFFER EQUIPMENT SITE POLREP 108

SHAFFER EQUIPMENT SITE
MINDEN, WV.
CERCLA REMOVAL ACTION
POLREP 108

ATTENTION TOM MASSEY AND TIM FIELDS

I. SITUATION (DECEMBER 86)

A. ON 12-3-86 CHEMICAL WASTE MANAGEMENT (CWM) INFORMED ERCS THAT DISPOSAL APPROVAL FOR THE SHAFFER EQUIPMENT SITE HAD BEEN REVOKED DUE TO ENVIRONMENTAL COMPLIANCE ISSUES OF THE FACILITY.

B. OSC ADVISED BY ROBERT OHNECK (ERCS PROGRAM MANAGEMENT) OF SITUATION WITH WRITTEN VERIFICATION TO FOLLOW.

C. ALTERNATIVES ARE AS FOLLOWS:

1. CWM INCINERATOR IN CHICAGO, ILLINOIS.
2. CWM LANDFILL IN EMELLE, ALABAMA.
3. ROLLINS INCINERATOR IN DEER PARK, TEXAS.
4. ENSCO, ELDORADO, ARKANSAS.
5. GENERAL ELECTRIC, PHILADELPHIA, PA.
6. CECOS - OUT OF COMPLIANCE.

D. MATERIALS ON SITE:

	QUANTITY	PCB CONCENTRATION	PHYSICAL STATE
1.	6 DRUMS	25 - 56%	LIQUID
2.	1 DRUM	82.4 PPM	LIQUID
3.	2 DRUMS	110 PPM	LIQUID
4.	50 DRUMS	-	CLOTHING, LINERS, GLASS, ETC
5.	4 DRUMS	POLYMER & COAGULANTS	LIQUID

II. ACTIONS TAKEN

A. ALTERNATIVE APPROVALS HAVE BEEN IMPLEMENTED TO OTHER DISPOSAL FACILITIES.

III. FUTURE PLANS

A. OSC AWAITING MOST ENVIRONMENTALLY SOUND, COST EFFECTIVE DISPOSAL OPTION AVAILABLE.

GARRETT ARAI, OSC
USEPA, REGION III
PHILADELPHIA, PA.

100483

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Posted: Fri 16-Jan-87 9:38 EST Sys 63 (75)
Subject: SHAFFER EQUIPMENT POLREP 109

SHAFFER EQUIPMENT SITE
MINDEN, WV.
CERCLA REMOVAL ACTION
POLREP 109

ATTENTION TOM MASSEY AND TIM FIELDS

I. SITUATION (2000 HRS 1-14-87)

A. PERSONNEL ON SCENE:
EPA 1, TAT 1, AND 1, BEL-PAR 1

B. SOIL PILE COVER AND FENCING REMAINS IN GOOD CONDITION.

C. PROFILE WASTE PRODUCT RECORDS (WPR) FOR THE 50 DRUMS OF CONTAMINATED CLOTHING AND 5 DRUMS OF SURFACTANT WERE APPROVED FOR DISPOSAL AT THE CHEMICAL WASTE MGT. FACILITY IN EMELLE, ALABAMA.

D. WEATHER: OVERCAST, 43 F, COOL AND BREEZY

II. ACTIONS TAKEN

A. 50 DRUMS OF CLOTHING, GLASS, POOLLINERS, ETC., AND 5 DRUMS OF SURFACTANTS GENERATED FROM PREVIOUS REMOVAL ACTIVITIES WERE LOADED ONTO A TRUCK VIA MANIFEST CWMA 246518.

B. TRANSPORTER (AMO POLLUTION) WAS HESITANT TO ACCEPT DRUMS BEARING SLIGHT SURFACE RUST, INDICATING THAT THE STATE OF WEST VIRGINIA REGULATIONS REQUIRE THAT SHIPPING CONTAINERS BEARING HAZARDOUS WASTES MUST BE FREE OF ANY RUST.

C. OSC CONTACTED PAM HAYES (WVDNR) TO RELAY SITUATION OF RUSTY CONTAINERS. WVDNR INDICATES AS LONG AS CONTAINERS ARE IN COMPLIANCE WITH DOT REGS, THE CONTAINERS ARE SHIPABLE. HAYES INDICATES ONLY EXTENSIVE RUST IN DRUMS AFFECTING THE STRUCTURAL INTEGRITY WOULD NOT BE ABLE TO BE SHIPPED.

D. OSC CONTACTED VICTORIA VAN RODEN (HEADQUARTERS REGIONAL COORDINATOR) TO CLARIFY WEST VIRGINIA SURFACE RUST RULE OF CONTAINERS. TO HER KNOWLEDGE WEST VIRGINIA REGULATIONS ARE CONSISTANT WITH ALL OTHER STATES AND DOT REQUIREMENTS.

E. DUE TO THE WET WEATHER CONDITIONS, PROBLEMS WERE ENCOUNTERED WITH THE WET DRUMS NOT RECEIVING LABELS AND PROFILE CODE NUMBERS CLEARLY.

F. OSC AND TAT INSPECTED PARTIAL LOAD OF 16 DRUMS SENT BY OSC WRIGHT (EPA REGION III). ALL CONTAINERS WERE LABELLED AND PROPERLY MANIFESTED IN ACCORDANCE TO DOT REGULATIONS. THESE DRUMS

WERE FROM THE ROTUNDA DRIVE CERCLA REMOVAL PROJECT. THIS PARTIAL LOAD AND THE PARTIAL LOAD FROM SHAFFER EQUIPMENT WERE INCORPORATED TO CREATE A FULL LOAD OF CONTAINERS IN ORDER TO SAVE COSTLY TRANSPORTATION EXPENSES. PARTIAL COSTS WILL BE SEPARATELY CHARGED TO EACH PROJECT ACCORDINGLY.

G. TAT ON SCENE TO PHOTO DOCUMENT OPERATIONS AND ASSIST WITH INVENTORY, LABELLING, AND LOADING OF CONTAINERS.

III. FUTURE PLANS

A. OSC AWAITING APPROVAL TO DISPOSE OF THE 9 REMAINING DRUMS OF PCB LIQUID CURRENTLY STORED ON SITE.

B. SCHEDULED ARRIVAL DATE FOR THE SHIPMENT OF WASTES TO ARRIVE ON FRIDAY 1-16-87.

GARRETT H. ARAI
ON SCENE COORDINATOR
USEPA REGION III
PHILADELPHIA, PA.

100484

EPAOHM PHA

WJ INFOMASTER 4-0037648049-001 02/18/87
ICB IPHMT22 CSP
3044650571 DGM TDMT OAK HILL WV 179 02-18 0941A EST
TWX 7106700716 EPAOHM PHA
EMERGENCY RESPONSE
4218 EPA PHA

POLREP #110 SHAEFFER MINDEN WEST VIRGINIAI. SITUATION: (1700 HOURS,
2/17/87)

A. PERSONNEL ON SCENE: EPA-1 TAT-1

B. WEATHER: SNOWING LOW 30°B

C. POOR WEATHER CONDITIONS CAUSED A DELAY IN PLANNED LOADING OF PCB
DRUMS ON THIS DAY

II. ACTIONS TAKEN:

A. OSC ARAI CALLED ERCS OFFICE IN FINDLAY, OHIO AT 1000 HOURS TO LEARN
THAT THE DRUM REMOVAL SCHEDULED IN ROANOKE VIRGINIA IS DELAYED DUE TO
WEATHER. THE SAME TRUCK WAS TO COME TO SHAEFFER EQUIPMENT SITE FOR
LOADING OF PCB DRUMS.

B. OSC ARAI AND TATH HARNETT ARRIVED ON SCENE AT 1530 HOURS. SOIL PILE
COVER AND FENCING REMAIN IN GOOD CONDITION. NINE (9) DRUMS REMAIN ON
SITE AND ARE COVERED BY TARP.

C. OSC ARAI CONTACTED WV DNR PAM HAYES TO INFORM HER THAT BECAUSE OF
THE TRUCK DELAY IN ROANOKE VIRGINIA IT WILL NOT BE POSSIBLE TO LOAD THE
NINE (9) PCB DRUMS ON THE TRUCK UNTIL TOMORROW.

FUTURE PLANS:

A. ERCS ANTICIPATES TRUCK TO ARRIVE AT SHAEFFER EQUIPMENT SITE AT 1500
HOURS 2/18/87 FOR DRUM LOADING.

GARRETT ARAI, OSC
ARAI USEPA REGION III
PHILADELPHIA PA
GARRETT ARAI

100485

TLX 11 7108229269
CONNECTED 20-Apr-87 09:48 22

SPILLSEPA WSH
ATTENTION:TIM FIELDS AND TOM MASSEY

POLREP 111
SHAFFER EQUIPMENT CO. SITE
MINDEN, WVA.

1)SITUATION: (0800 HRS., 4/20/87)

A) OSC CONTACTED BY CO (MUELLER) AND INFORMED THAT CECOS CONTRACT TERMINATED FOR GOVT. CONVENIENCE AS OF 4/1/87 DUE TO THE CONTRACTOR'S INABILITY TO SECURE AN APPROVED, IN COMPLIANCE FACILITY.

B) OSC IN RECEIPT OF SENATOR ROCKEFELLER LETTER TO THE ADMINISTRATOR REQUESTING EXPEDITIOUS ACTION AT THIS SITE.

C) OSC, CO, AND PO JEAN WRIGHT HELD TELECON TO DISCUSS SITUATION. OSC INFORMED THAT ANOTHER COMPETITIVE CONTRACT WOULD EXCEED 6 MONTHS IN DURATION AND THAT HQ CONTRACTS DOES NOT HAVE STAFF TO EXPEDITE SUCH A CONTRACT.

D) OSC IS OF THE OPINION THAT SOILS BE MOVED OFFSITE THIS CONSTRUCTION SEASON OTHERWISE IT WILL BE NECESSARY TO AGAIN SPEND FUNDS TO RESECURE SITE. IN ADDITION SOILS STILL PRESENT A THREAT OF RELEASE.

E) OSC STRONGLY RECOMMENDS THAT UPON AWARD OF LOCAL MINIERCS CONTRACT THEIR FIRST DELIVERY ORDER SHOULD BE COMPLETION OF WORK AT THIS SITE. AWARDS EXPECTED IN MAY.

F) OSC INTENDS TO PURSUE MINIERCS OPTION AGGRESSIVELY.

ROBERT E. CARON
SENIOR ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

DISCONNECTED 20-Apr-87 09:52 40

100486

To: ERD/DERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Tue 21-July-87 14:27 EDT Sys 163 (2
Subject: SHAFFER POLREP 112
Mail ID: 1PM-163-870721-130141262
POLREP 112

SHAFFER EQUIPMENT CO. SITE
MINDEN, W.VA.

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION: (1700 HRS. 7/20/87)

- A. OSC CONTACTED BOTH PCMD AND ERD THIS DATE TO LEARN STATUS OF ERCS CONTRACT PENDING AWARDS. OSC INFORMED THAT MINIERCS AWARDS ARE NOT ANTICIPATED UNTIL END OF AUGUST. ERCS AWARD THIS MONTH.
- B. OSC HAS DETERMINED THAT END OF AUGUST IS TOO LATE TO ALLOW FOR REMOVAL OF PCB CONTAMINATED SOIL BEFORE WINTER. OSC IS OF THE OPINION THAT A DELIVERY ORDER MUST BE ISSUED NO LATER THAN THE FIRST WEEK OF AUGUST TO ALLOW FOR LANDFILL APPROVALS AND SUFFICIENT TIME (EST. 30 DAYS) FOR TRANSPORT AND DISPOSAL.
- C. PREVIOUS RESPONSES TO CONGRESSIONALS INDICATED THAT EPA WOULD UTILIZE NEW REGIONAL CONTRACTS FOR THIS WORK, IN THAT IT WOULD BE LIKELY THAT A LOCAL CONTRACTOR WOULD BE USED AT A POTENTIAL COST SAVINGS. THIS REGIONAL CONTRACT IS MINIERCS. OSC INFORMS BY THIS POLREP THAT THE ABOVE MENTIONED DATE IS CRITICAL. IF NO MINIERCS AVAILABLE OSC WILL RECOMMEND USE OF ERCS.

II. ACTIONS TAKEN

- A. TELECON WITH ERD (CARRUTHERS, FIELDS) INDICATE THAT ERD HAS BEEN PUSHING PCMD FOR AWARD. EFFORTS WILL BE MADE THRU THAT OFFICE IN AN ATTEMPT TO SPEED UP SUCH AWARD. HOWEVER THEY CONCUR WITH OSC THAT ERCS BE USED IF THIS UNSUCCESSFUL.
- B. ERD AND OSC DISCUSSED NEED FOR ADDITIONAL FUNDS. THIS WILL BE DONE VIA ACTION MEMO THRU EPA/HQ FOR APPROVAL. DRAFT TO BE SUBMITTED WEEK OF 7/27.

III. FUTURE PLANS

- A. DRAFT ADDITIONAL FUND REQUEST TO HQ, PROJECT WILL EXCEED \$2 MILLION.
- B. OSC AWAITS PCMD AWARD OF CONTRACTS. EITHER MINIERCS OR ERCS TO BE ISSUED DELIVERY ORDER FIRST WEEK OF AUGUST. SUFFICIENT FUNDS REMAIN TO SEEK APPROVALS ETC. WHILE AWAITING APPROVAL OF ADDITIONAL FUNDS.
- C. OSC TO BEGIN COORDINATION WITH OPA, STATE AND LOCAL CITIZEN'S GROUP, IN PREPARATION FOR REMOVAL OF SOIL IN SEPTEMBER.

ROBERT E. CARON
SENIOR ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100487

To: ERD/OERR (EPA5511)
To: T. MASSEY (EPA9374)
From: B. CARON (EPA9340) Delivered: Fri 14-Aug-87 10:10 EDT Sys 163 (34)
Subject: SHAFFER POLREP 113
Mail Id: IPM-163-870814-091571077

ATTENTION: TOM MASSEY AND TIM FIELDS

POLREP 113

SHAFFER EQUIPMENT SITE
MINDEN, W. VA.

I) SITUATION: (0800 HRS., 8/14/87)

A) OSC IN DISCUSSION WITH PCMD AS REGARDS DEOBLIGATION OF FUNDS FROM CECOS CONTRACT IN DEFAULT. PCMD SULLIVAN INFORMED OSC THAT NO NEW MONEY CAN BE OBLIGATED UNTIL OLD MONEY IS DEOBLIGATED. DEOBLIGATION EXPECTED BY THIS DATE.

B) OSC IN RECIEPT OF DRAFT LETTER TO SENATOR ROCKEFELLER FOR DR. PORTER'S SIGNATURE WHICH STATES THAT EPA WILL USE ERCS AND T&D SITE SOILS BEGINNING 9/1/87.

C) OSC PREALERTED ERCS FOR T&D PROJECT.

D) OSC DISCUSSED SIT WITH ERS CHIEF MASSEY, ONSITE EPA PRESENCE TO BE AFS PERSONNEL ACTING AS OSC REP.

E) OSC AND OPA WILL STARTUP PROJECT AND HANDLE COMMUNITY RELATIONS ISSUES.

F) OSC NOTES REMEDIAL ENFORCEMENT INVOLVEMENT ON CASE.

III) FUTURE PLANS

A) UPON LEARNING OF OFFICIAL DEOBLIGATION OF FUNDS OSC WILL ISSUE D.O. FOR ERCS REQUESTING ARRANGEMENTS FOR T&D, TOTAL JOB ESTIMATES, AND WRITTEN PROPOSAL. EXISTING APPROVED FUNDS WILL COVER INITIAL WORK. UPON RECIEPT OF ACCURATE COST ESTIMATES, OSC WILL SUBMIT AN ADDITIONAL FUND REQUEST TO HQ. (ROUGH ESTIMATES EXCEED \$2MILL.)

ROBERT E. CARON
SENIOR ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100488

To: ERD/OERR (EPA5511)
To: T. MASSEY (EPA9374)
From: B. CARON (EPA9340) Delivered: Thu 3-Sep-87 10:39 EDT Sys 16. ()
Subject: SHAFFER SPB
Mail Id: IPM-163-870903-095860182

SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TOM MASSEY AND TIM FIELDS

SPECIAL BULLETIN - PROJECT STATUS

I. SITUATION (1200 HRS. 9/1/87)

- A. DEFAULTED CECOS CONTRACT FUNDS HAVE BEEN DEOBLIGATED AND NEW FUNDS CAN NOW BE OBLIGATED.
- B. OSC ISSUES D.O. FOR ERCS REQUESTING ARRANGEMENTS FOR T&D, TOTAL JOB ESTIMATES, AND WRITTEN PROPOSAL.

III. FUTURE PLANS

- A. OSC TO REQUEST ADDITIONAL FUNDS FROM HQ. (EST.) \$2 MIL.)

ROBERT E. CARON, OSC
U.S. EPA REGION III
PHILADELPHIA, PA.

100489

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Wed 2-Sep-87 13:31 EDT Sys 163 (30
Subject: SHAFFER POLREP 114
Mail Id: IPM-163-870902-121790059

ATTN: TIM FIELDS AND TOM MASSEY

POLREP 114

SHAFFER EQUIPMENT SITE
MINDEN, W.VA.

1) SITUATION: (1200 HRS., 9/2/87)

A) OSC ISSUED DELIVERY ORDER 8/19/87 FOR T&D ARRANGEMENTSX AND FINAL COST ESTIMATES. ERCS COMPLETED TASK 8/31. SELECTED DISPOSAL FACILITY IS CWM, EMELLE, ALA. OSC COMPLETED WPR AND CHECKED COMPLIANCE. ALL GOOD.

B) OSC DIRECTED ERCS TO FINALIZE T&D ARRANGEMENTS AND AIM FOR A MOBE DATE OF 9/8/87.

C) OSC DIRECTED TAT TO DRAFT \$2 MILL EXEMPTION BASED ON ERCS ESTIMATE OF \$1.5 MILL. ESTIMATED NEED OF \$750,000 APPROVED ADDITIONAL TO BRING NEW CEILING NEER \$3MILL.

D) PRESENT D.O. FOR \$250K WILL LAST THRU MOBE ANFD FIRST TWO WEEKS, GIVING ESTIMATED 30 DAYS TO SEEK APPROVALS.

E) OSC BRIEFED MANAGEMENT AND OPA. PRESS CONFERENCE SCHEDULED ON DAY FIRST TRUCK LEAVES. ESTIMATED 9/17.

F) OSC TO UTILIZE AFS AND JUNIOR OSC FOR DAY TO DAY DUE TO OTHER REGIONAL COMMITMENTS.

ROBERT E. CARON
SENIOR ON-SCENE COORDINATOR
USEPA-III
PHILADELPHIA, PA.

100490

To: EPA5511
To: EPH9374
From: T. MASSEY (EPH9374) Delivered: Fri 11-Sep-87 9:44 EDT Sys 163 (66)
Subject: POLREP 116 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-870911-087671236

POLREP #116 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV
TRANSPORTATION AND DISPOSAL PHASE

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (2000 HOURS - 9/10/87)

A. SITE PREPARATION FOR TRUCKING OPERATIONS CONTINUES.

B. PERSONNEL ON SCENE:

EPA - 2
TAT - 2
ERCS - 8

C. WEATHER: CHANGEABLE CONDITIONS. PARTLY CLOUDY WITH SUDDEN SHOWERS, MID 80S.

D. ESTIMATED COSTS TO DATE (COB 9/9/87):

	COST TO DATE	CEILING
EPA	.7K	15K
TAT	1.0K	50K
ERCS	2.0K	250K
	-----	-----
TOTAL	3.7K	315K

II. ACTIONS TAKEN

A. ERCS MOBILIZED EQUIPMENT AND PERSONNEL TO SITE 0815 HRS. TO COMMENCE SITE PREPARATIONS FOR REMOVAL OPERATIONS. OPERATIONS INCLUDED CLEARING AND LEVELING LAND. TRANSITION BUILDING AND SCALE HOUSE CONSTRUCTION.

B. OSC CONTACTED LOCAL FIRE, POLICE AND HOSPITAL TO INFORM THEM OF EPA'S PRESENCE.

C. FAS BRIEFED SENIOR OSC BOB CARON ON SITE PROGRESS.

D. ERCS CONTACTED "NATIONAL SECURITY" TO BEGIN SECURITY ONSITE CLOSE OF BUSINESS THIS DATE.

III. FUTURE PLANS

A. SITE PREPARATION TO CONTINUE WITH ARRIVAL OF COMMAND POST, POWER AND TELEPHONES.

B. MIKE CATALANO (ERT/TAT) TO BE ONSITE MONDAY 9/14/87 TO SET UP NEW COMPUTER COST MANAGEMENT SYSTEM.

C. SENIOR OSC, BOB CARON AND RAY GERMANN, PUBLIC AFFAIRS TO BE ONSITE MONDAY 9/14/87 TO HANDLE ALL PUBLIC RELATIONS AND NEWS MEDIA.

D. TRUCKING OPERATIONS TO COMMENCE TUESDAY 9/15/87.

PHILIP C. YOUNG, OSC
US EPA - REGION III
PHILADELPHIA, PA

100492

To: ERD/OERR (EPAS511)
To: T.MASSEY (EPAS374)
From: T.MASSEY (EPAS374) Delivered: Mon 14-Sep-87 12:22 EDT Sys 163
Subject: PDL117
Mail Id: 1PM-163-870914-111410346

PDLREP #117 - SCHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, W.V.

ATTENTION: Tom Massey and Tim Fields

I. Situation (1600 hours, 9/11/87)

A. Site preparation for Tuesday, 9/15/87, trucking operations, continues.

B. Command post staged on site as of 1300 hours this date, 9/11/87.

C. Authorized budget and estimated cost to date (DOB 9/10/87):

	To Date	Ceiling
EPA	\$ 1.1K	\$ 15.0K
TAT	1.9K	50.0K
ERCS	15.0K	250.0K
	-----	-----
TOTAL	\$ 18.0K	\$ 315.0K

D. Personnel on scene: EPA-2, TAT-2, ERCS-7

E. Weather: hazy, hot, humid, showers, 82°

II. Actions Taken

A. Site preparation included such operations as installation of phone lines, transformer and electrical hookups, and site cleanup.

B. As tasked by OSC, ERCS entered hot zone in level C protection to cover exposed areas of pile, as rain forecast for this weekend posed threat of runoff and spread of contamination.

C. As directed by OSC, ERCS obtained 25 to 30 cubic yards of gravel for use in upkeep of road during trucking operations.

D. Command post mobilized to site via Flescher Moore Trucking Co., Inc., Zanesville, Pa.

III. Future Plans

A. Site preparation for trucking operation to be completed Monday, 9/14/87.

B. Scales will be delivered and installed on site Saturday, 9/12/87.

C. Mike Catalano (ERT/TAT) to be on site Monday, 9/14/87 to set up new computer cost management system.

D. Senior OSC, Bob Caron and Ray Gormann Public Affairs to be on site Monday, 9/14/87 to handle all public relations and news media.

Phil Younis, OSC
U.S. EPA Region III
Philadelphia, Pa.

100493

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Wed 16-Sep-87 6:28 EDT Sys 163
Subject: POLREP #118 - SHAFFER EQUIPMENT SITE
Mail Id: IPH-163-870918-076330729

POLREP #118
SHAFFER EQUIPMENT SITE
MUNDEL, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/14/87 - 1800 HOURS)

A. SITE PREPARATION FOR DISPOSAL OF AN ESTIMATED 5000 CUBIC YARDS OF PCB CONTAMINATED SOIL COMPLETE.

B. PERSONNEL ON SCENE:
EPA - 2
TAT - 3
ERCS - 7
SECURITY - 1

C. ESTIMATED COSTS TO DATE (CUB 9/13/87).

	COST TO DATE	CEILING
EPA	1.7K	15K
TAT	3.1K	50K
ERCS	18.2K	250K

D. WEATHER: SUNNY 75, WINDS S-SW 5-15MPH.

E. MEDIA INTEREST HIGH.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED: TRUCK SCALE INSTALLATION, DELIVERY OF GRAVEL, BANNER GUARDING, TRUCK ROUTE POSTING AND CLEANUP. SCAFFOLDING ERECTED FOR TRUCKING OPERATIONS.

B. ERT/TAT MIKE CATALANO ON SCENE TO IMPLEMENT NEW COST MANAGEMENT SYSTEM AND ASSIST FMS WITH NEW PROGRAM.

C. OSC MET WITH OAK HILL CITY MANAGER WHERE HE EXPRESSED HIS CONCERNS OVER POTENTIAL BOTTLENECK IN TRUCK ROUTE WHERE GAS STATION IS CURRENTLY UNDER CONSTRUCTION. THE ROAD IS NARROW AND RESIDENTS ARE CURRENTLY PARKING THEIR CARS OPPOSITE THE CONSTRUCTION. CITY MANAGER AGREED TO HELP MITIGATE THE PROBLEM.

D. OSC BRIEFED FAYETTE TRIBUNE, WRITER JOE MYERS ON SITE GENERALITIES.

III. FUTURE PLANS

A. SR. OSC BOB CARON AND EPA OPA, RAY GERMAN TO BE ONSITE TUESDAY 9/15/87 TO HANDLE MEDIA COVERAGE.

B. TRUCKING OPERATIONS TO COMMENCE 1000 HOURS 9/15/87

PHILLIP C. YOUNIS, OSC
PAULA J. CURTIN, FMS
US EPA - REGION III
PHILADELPHIA, PA

100494

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Wed 16-Sep-87 10:22 EDT Sys 163 (cc
Subject: POLREP 119 SHAFFER EQUIPMENT SITE
Mail Id: IPH-163-870916-093361153

POLREP #119

SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/14/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES IN PROGRESS.

B. MEDIA INTEREST EXTREMELY HIGH.

C. PERSONNEL ON SCENE:

EPA - 4	TRUCKING - 12
TAT - 3	WVDNR - 2
ERCS - 10	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 9/14/87)

	DAILY COST	LEILING
EPA	\$2,816.74	15K
TAT	4,029.00	50K
ERCS	24,100.00	250K

E. WEATHER: SUNNY, WARM, HIGH IN THE MID 80S.

II. ACTIONS TAKEN

A. TEN TRUCKS (APPROXIMATELY 226.87 TONS) PROPERLY LOADED, MANIFESTED AND TRANSPORTED TO CHEM WASTE MANAGEMENT, EMELLE, AL.

B. SR. OSC BOB CARON AND PUBLIC AFFAIRS SPECIALIST, RAY GERMANN ONSITE THIS DATE TO HANDLE NEWS MEDIA AND PUBLIC INTEREST. MAJOR NEWS MEDIA REPRESENTATIVES INCLUDED: WOAY OAK HILL, WLMS, WOVK CHARLESTON, BECKLEY REGISTER, FAYETTE TRIBUNE AND UPI.

C. PAM HAYES AND CAROL HERRICK, WV DEPT. OF NATURAL RESOURCES ONSITE THIS DATE TO OBSERVE SITE ACTIVITIES.

D. PROPERTY OWNER ANNA SHAFFER ONSITE THIS DATE AND PRESENTED SR. OSC BOB CARON WITH A LETTER STATING HER REQUESTS AND CONCERNS REGARDING SITE RESTORATION, AND FENCING. OSC TO HONOR HER REQUESTS.

E. CONCERNED CITIZEN TO SAVE THE PLATEAU ACTION GROUP ON SCENE THIS DATE. CITIZENS OBSERVED DISPOSAL ACTIVITIES AND BRIEFED.

F. ERT/TAT MIKE CATALANO AND TOM OHARA, OHM ONSITE THIS DATE SETTING UP NEW COST MANAGEMENT COMPUTER SYSTEM.

III. FUTURE PLANS

A. CONTINUE LOADING AND TRANSPORTING PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA.

ROBERT E. CARON, SR. OSC
US EPA - REGION III
PHILADELPHIA, PA

PAULA CURTIN, FAS
US EPA - REGION III
WHEELING, WV

100495

To: ERD/DEAR (EPASS11)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Thu 17-Sep-87 15:00 EDT Sys 163 (87)
Subject: POLREP120
Mail Id: 1PM-163-870917-135010422

POLREP #120
SHAFFER EQUIPMENT SITE
MINDEN, PAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/16/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES IN PROGRESS.

B. MEDIA INTEREST MODERATE

C. PERSONNEL ON SCENE:
EPA - 2 TRUCKING - 12
TAT - 3 SECURITY - 1
ERCS - 10

D. ESTIMATED PROJECT COSTS (DOB 9/16/87)

	COST TO DATE	CEILING
EPA	\$3,688.71	15K
TAT	4,739.00	50K
ERCS	94,757.75	250K
TOTAL	103,185.46	315K

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/16/87	TOTALS TO DATE
* TRUCKS LOADED	11	21
SOIL TRANSPORTED (TONS)	240	467

F. WEATHER: HAZY, HOT, HUMID, MID 80°

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTATION OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (160 MILES).

B. FAS PAULA CURTIN CONTACTED REGIONAL OFFICE TO EXPEDITE THE INITIATION OF A PROCUREMENT REQUEST FOR AN ADDITIONAL 250,000, BRINGING THE ERCS CEILING TO 500,000. DLN NO. E7L81K WAS ISSUED.

100496

C. AS DIRECTED BY FAS, TATS WORKED OUT A PROPOSED BUDGET AND TRUCKING SCHEDULE THRU TUESDAY, 9/22/87.

D. REQUEST TO MODIFY DELIVERY ORDER WAS MADE THIS DATE TO INCLUDE TRANSPORTATION AND DISPOSAL, AND INCREASE ERCS CEILING TO \$500,000.

II. ACTIONS TAKEN CONTINUED

E. DART TRUCK 1431 REJECTED FROM HANDLING OPERATION AS TRAILER DID NOT MEET DOT SPECIFICATIONS. NO COSTS INCURRED.

F. ERT/TAT MIKE CATALANO AND TOM DHARR DHM ON SITE THIS DATE 9/16/87 TO IMPLEMENT FIELD TESTING PHASE OF NEW COMPUTER COST MANAGEMENT SYSTEM. PROBLEMS WITH THE SYSTEM ARE OCCURRING. SYSTEM WAS FOUND TO BE INCOMPATIBLE WITH PRESENT OPERATIONS AT THIS TIME. COST TRACKING CURRENTLY BEING CALCULATED MANUALLY.

G. AM CONTACTED CHEM WASTE MANAGEMENT AS TO THEIR HOURS SATURDAY, 9/19/87. THE FACILITY WILL BE OPEN TO ACCOMMODATE TRUCKS ARRIVING BETWEEN 2300 HOURS SATURDAY AND 0700 HOURS SUNDAY, 9/20/87.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE.

B. AWAIT APPROVAL OF FUNDING INCREASE REQUEST/2 MILLION DOLLAR EXEMPTION.

PHILLIP C. YOUNIS, OSC
US EPA - REGION III
PHILADELPHIA, PA

PAULA CURTIN, FAS
US EPA - REGION III
WHEELING, WV

10049

AR100497

To: ERD/GERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 21-Sep-87 15:17 EDT Sys 163 (66)
Subject: POLREP 121
Mail Id: IPM-163-870921-137661270

POLREP #121
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/17/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES IN PROGRESS.

B. MEDIA INTEREST MODERATE

C. PERSONNEL ON SCENE:

EPA - 2	TRUCKING - 20
TAT - 2	SECURITY - 1
ERCS - 10	

D. ESTIMATED PROJECT COSTS (DOB 5/16/87)

	COST TO DATE	CEILING
EPA	\$4182.34	15K
TAT	5599.00	50K
ERCS	173,621.24	500K
TOTAL	183,402.58	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/17/87	TOTALS TO DATE
# TRUCKS LOADED	19	40
SOIL TRANSPORTED (TONS)	423	890

F. WEATHER: PARTLY CLOUDY, HUMID, HIGH MID 80'S

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTATION OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. CONTRACT SPECIALIST CINDY TAYLOR CONTACTED AND INFORMED FAS PAULA CURTIN THAT THE DELIVERY ORDER WAS MODIFIED TO INCREASE THE ERCS CEILING 250,000 BRINGING TOTAL ERCS CEILING TO 500,000.

C. FAS BRIEFED SR. OSC BOB CARON ON TRUCKING SCHEDULE AND SITE STATUS.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE.

III. FUTURE PLANS CONTINUED

B. AWAIT APPROVAL OF FUNDING INCREASE REQUEST/2 MILLION DOLLAR EXEMPTION.

PHILLIP C. YOUNIS, OSC
US EPA - REGION III
PHILADELPHIA, PA

PAULA CURTIN, FAS
US EPA - REGION III
WHEELING, WV

100498

To: ERD/GERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 21-Sep-87 8:42 EDT Sys 16
Subject: POLREP 122
Mail Id: IPW-163-870921-078440150

POLREP #122
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/18/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES IN PROGRESS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 2	TRUCKING - 10
TAT - 2	SECURITY - 1
ERCS - 10	

C. ESTIMATED PROJECT COSTS (DOB 9/17/87)

	COST TO DATE	CEILING
EPA	\$4673.34	15K
TAT	6339.00	50K
ERCS	300,516.70	500K
TOTAL	311,526.34	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/18/87	TOTALS TO DATE
* TRUCKS LOADED	7	47
SOIL TRANSPORTED (TONS)	159	1,049

E. WEATHER: PARTLY CLOUDY, WARM, MID TO UPPER 70'S

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTATION OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. TWO WILLS TRUCKS REJECTED FROM HAULING THIS DATE. TRUCKS DID NOT HAVE PROPER HAZ. WASTE HAULING PERMITS.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE. MONDAY 9/21/87.

B. AWAIT APPROVAL OF ADDITIONAL FUNDING INCREASE.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100499

To: ERD/OERR (EPH5511)
To: T. MASSEY (EPH9374)
From: T. MASSEY (EPH9374) Delivered: Tue 22-Sep-87 12:34 EDT Sys 163 (57)
Subject: POLREP 123
Mail to: 1PM-163-870922-113241226

POLREP #123
~~EMERGENCY EQUIPMENT SITE~~
MINDEEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/21/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES CONTINUES.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	TRUCKING - 10
TAT - 3	SECURITY - 1
ERCS - 9	

D. ESTIMATED PROJECT COSTS (COB 9/20/87)

	COST TO DATE	CEILING
EPA	\$5,158.96	15K
TAT	7,794.50	50K
ERCS	351,934.18	500K
TOTAL	364,947.64	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/21/87	TOTALS TO DATE
# TRUCKS LOADED	10	97
SOIL TRANSPORTED (TONS)	223	1,272

E. WEATHER: PARTLY CLOUDY, COOL, LOW 70'S

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTATION OF PCB CONTAMINATED SOIL TO CEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. SR. OSC BOB CARON INFORMED FAS PAUL CURTIN THAT ADDITIONAL FUNDS IN THE AMOUNT OF \$330,000 WERE AVAILABLE, AND WOULD HAVE A PR CUT FOR THE ADDITIONAL MONEY.

C. FAS OBTAINER INFORMED FAS CURTIN THAT PR FOR AN ADDITIONAL \$330,000 WAS COMPLETED (WON E7DB1M). FAS P. CURTIN CONTACTED MO'S CONTRACTS AND INFORMED RICK THURSTON OF THE INCREASE. TOTAL ERCS CEILING WILL BE 630K.

II. ACTIONS TAKEN CONTINUED

D. FAS/TAT COMPLETED A NEW BUDGET AND TRUCKING SCHEDULE FOR ERCS WITH THE ADDITIONAL FUNDING RECEIVED THRU 9/25/87.

E. ERCS AM DIRECTED TO BEGIN SITE RESTORATION PLANS TO BE IMPLEMENTED UPON COMPLETION OF REMOVAL OPERATIONS.

F. TATM SHEKHAR ON SITE THIS DATE TO REPLACE TATM DAVE BUTE WHO DEMOED THIS DATE.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE. TUESDAY 9/22/87 WITH SEVEN TRUCKS SCHEDULED.

B. HAILT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

ROBERT E. CARON, SR. OSC
PAUL CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

AR100499A

To: EPA5511
To: EPA9374
From: L. MASSEY (EPA9374) Delivery: WED 23-SEP-87 8:02 EDT Sys 163 (63)
Subject: POLREP #124 SHAFFER EQUIPMENT SITE
Mail to: 100-163-870823-073420391

POLREP #124
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: LOM MASSEY AND TIM FIELDS

I. SITUATION (9/22/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES CONTINUED.

B. FIELD ADMINISTRATIVE SPECIALIST, D. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 TRUCKING - 7
TAT - 2 SECURITY - 1
ERCS - 9

D. ESTIMATED PROJECT COSTS (COS 9/21/87)

	COST TO DATE	CEILING
EPA	\$5,319.66	15K
TAT	9,213.00	50K
ERCS	422,778.45	830K
TOTAL	437,311.11	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/27/87	TOTALS TO DATE
# TRUCKS LOADED	7	64
SOIL TRANSPORTED (TONS)	160.74	1422.08

F. WEATHER: PARTLY CLOUDY, COOL, WINDY. HIGH 65S.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. D. CURTIN, FAS CONTACTED CINDY TAYLOR, HQS CONTRACTS THIS DATE TO INQUIRE ON STATUS OF CEILING INCREASE. MS. TAYLOR INFORMED FAS THAT MODIFICATION WAS APPROVED AND WOULD NOTIFY OHM ACCOUNTING.

C. FAS CONTACTED SA. OSC BOB CARON AND SUGGESTED DEMONING TWO RTS DUE TO SLOW TRUCKING OPERATIONS BROUGHT ON BY LIMITED FUNDS. SA. OSC CONCURRED. ERCS RESPONSE MANAGER DIRECTED TO DEMO RTS UPON COMPLETION OF DAYS ACTIVITIES. SA. OSC UPDATED ON SITE STATUS.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE. WEDNESDAY 9/23/87 WITH TEN TRUCKS SCHEDULED.

B. TRAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. ERCS RM TO CONTACT CHEM WASTE MGT, WEDNESDAY 9/23 TO INQUIRE ON LANDFILL'S HOURS OF OPERATION FOR SATURDAY.

ROBERT E. CARON, SR. OSC
PHILIP CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

AR100499B

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Fri 25-Sep-87 8:39 EDT Sys 163
Subject: POLREP 125 REVISED
Mail Id: 1PM-163-870925-077850681

POLREP #125
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/23/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES CONTINUES.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 TRUCKING - 7
TAT - 2 SECURITY - 1
ERCS - 7

D. ESTIMATED PROJECT COSTS (COB 9/22/87)

	COST TO DATE	CEILING
EPA	\$5,470.36	15K
TAT	9,873.00	50K
ERCS	472,708.62	830K
TOTAL	488,051.98	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/23/87	TOTALS TO DATE
# TRUCKS LOADED	7	71
SOIL TRANSPORTED (TONS)	156	1587

E. WEATHER: PARTLY CLOUDY, COOL, HIGHS IN MID 60'S.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. FAS PAULA CURTIN MET WITH FORMER PLANT MANAGER TO DISCUSS PROPERTY OWNER'S REQUEST REGARDING RESTORATION.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE. THURSDAY, 9/24/87 WITH TEN TRUCKS SCHEDULED.

III. FUTURE PLANS CONTINUED (9/23/87)

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. ERCS RM TO CONTACT CHEM WASTE MGT, THURSDAY 9/24/87 TO INQUIRE ON LANDFILL'S HOURS OF OPERATION FOR SATURDAY.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100500

To: ERD/OERR (EPAS511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Fri 25-Sep-87 11:49 EDT Sys 16
Subject: POLREP #126
Mail Id: IPM-163-870925-106420998

POLREP #126
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/24/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES CONTINUES.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 TRUCKING - 9
TAT - 2 SECURITY - 1
ERCS - 7

D. ESTIMATED PROJECT COSTS (DOB 9/23/87)

	COST TO DATE	CEILING
EPA	\$5626.06	15K
TAT	10,533.00	50K
ERCS	521,036.82	830K
TOTAL	537,195.88	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/24/87	TOTALS TO DATE
# TRUCKS LOADED	9	80
SOIL TRANSPORTED (TONS)	196	1,764

E. WEATHER: SUNNY, BREEZY, COOL, HIGHS IN MID 60'S.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. FAS PAULA CURTIN BRIEFED EPA/OPA RAY GERMANN ON SITE STATUS YESTERDAY, 9/23/87.

C. SR. OSC BOB CARON BRIEFED ON SITE STATUS AND TRUCKING SCHEDULE THRU FRIDAY 9/25/87. DUE TO LIMITED FUNDS, SR. OSC ELECTED NOT TO CONTINUE TRUCKING OPERATIONS AFTER 9/25/87 SO AS TO APPORTION REMAINING FUNDS UNTIL AN ADDITIONAL FUNDING INCREASE IS APPROVED.

D. FAS CURTIN BRIEFED ERCS RM ON SR. OSC BRIEFING. DISCUSSION ENSUED WITH THE CONCURRENCE THAT KEY PERSONNEL WILL REMAIN ON SCENE TO BEGIN SITE RESTORATION ACTIVITIES.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CEASE AFTER FRIDAY 9/25/87 TO BE STARTED AGAIN WITH ACQUISITION OF ADDITIONAL FUNDS. KEY PERSONNEL TO REMAIN ON SCENE.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. ACTIVITIES FOR WEEK OF 9/25/87 INCLUDES BREAKING UP AND DISPOSING OF CONCRETE PADS, REMOVAL OF GAS LINE, AND OTHER SITE RESTORATION ACTIVITIES.

D. THREE RTS AND ONE TAT TO DEMOB 9/25/87 DUE TO SLOW OPERATIONS.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100501

AR100501

To: ERD/OERR (EPAS511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Mon 28-Sep-87 9:45 EDT Sys 163 (82)
Subject: POLREP #127
Mail Id: 1PM-163-870928-067890842

POLREP #127
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/25/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES CONTINUES.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 TRUCKING - 10
TAT - 2 SECURITY - 1
ERCS - 7

D. ESTIMATED PROJECT COSTS (COB 9/24/87)

	COST TO DATE	CEILING
EPA	\$5,781.76	15K
TAT	11,193.00	50K
ERCS	581,102.86	830K
TOTAL	598,077.62	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	9/25/87	TOTALS TO DATE
# TRUCKS LOADED	10	90
SOIL TRANSPORTED (TONS)	227	2,010

E. WEATHER: SUNNY, 63, WINDS N5-15MPH.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA (630 MILES).

B. FAS PAULA CURTIN BRIEFED BY CHEM WASTE MANAGEMENT REGARDING FORM B GENERATOR EXEMPTION LETTERS BEING ATTACHED TO MANIFESTS. THE FORMS ARE CURRENTLY BEING VOIDED BY CWM AS THEY ARE UNNECESSARY. FAS AGREED TO DISCONTINUE THE ATTACHMENT.

C. 2 RTS AND 1 FOREMAN DEMOED THIS DATE FRIDAY, 9/25/87, TO RETURN WHEN TRUCKING OPERATIONS RESUME.

II. ACTIONS TAKEN CONTINUED (9/25/87)

D. TATM SHEKHAR DEMOED THIS DATE. REPLACEMENT TO BE SENT WHEN TRUCKING OPERATIONS RESUME.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CEASE THIS DATE FRIDAY 9/25/87 TO BE STARTED AGAIN WITH ACQUISITION OF ADDITIONAL FUNDS. KEY PERSONNEL TO REMAIN ON SCENE.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. ACTIVITIES FOR WEEK OF 9/26/87 INCLUDES BREAKING UP AND DISPOSING OF CONCRETE PADS, REMOVAL OF GAS LINE, AND OTHER SITE RESTORATION ACTIVITIES.

100502

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Tue 29-Sep-87 10:17 EDT Sys 163 (7)
Subject: SHAFFER EQUIPMENT SITE POL.128
Mail Id: IPM-163-870929-092571101

POL REP #128

SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/28/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 1
ERCS - 5

D. ESTIMATED PROJECT COSTS (COB 9/27/87)

	COST TO DATE	CEILING
EPA	\$6,137.46	15K
TAT	12,035.50	50K
ERCS	651,523.04	830K
TOTAL	669,696.00	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

* TRUCKS LOADED 90
SOIL TRANSPORTED (TONS) 2,010

E. WEATHER: SUNNY, LOW 70S.

II. ACTIONS TAKEN

A. FAS, ERCS RM AND TAT MET WITH PROPERTY OWNER, ANNA SHAFFER TO DISCUSS THE SPECIFICS OF HER REQUESTS REGARDING SITE RESTORATION.

B. CASE 680H HOE RAM MOBILIZED THIS DATE TO BEGIN REMOVAL OF CONCRETE PADS. GAS LINE REMOVED AND STAGED ON SCRAP PILE.

C. ERCS RESPONSE MANAGER DIRECTED TO OBTAIN COST ESTIMATES FOR WALL REPAIR ON OFFICE BUILDING.

D. SR. OSC BOB CARON WAS BRIEFED ON SITE STATUS.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES, INCLUDING REMOVAL AND DISPOSAL OF CONCRETE PADS.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL ACTIVITIES TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS. FAS ESTIMATES 5-7 DAYS TO COMPLETE DISPOSAL ONCE OPERATIONS ARE RESUMED.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100503

AR100503

To: ERD/DERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Wed 30-Sep-87 11:01 EDT Sys 163 (73)
Subject: SHAFFER EQUIPMENT PDL.129
Mail Id: IPM-163-870930-099250318

SEND PDL.129

POL REP #129
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/29/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 1
ERCS - 5

D. ESTIMATED PROJECT COSTS (COB 9/28/87)

	COST TO DATE	CEILING
EPA	\$6,315.93	15K
TAT	12,405.50	50K
ERCS	655,427.82	830K
TOTAL	674,149.25	

D. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

* TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

E. WEATHER: OVERCAST, MID 70'S.

II. ACTIONS TAKEN

A. REMOVAL OF CONCRETE PADS CONTINUES.

B. TWO DRUMS LOCATED BEHIND OFFICE BUILDING STAGED ONSITE THIS DATE.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES, INCLUDING REMOVAL AND DISPOSAL OF CONCRETE PADS.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL ACTIVITIES TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS. FAS ESTIMATES 5-7 DAYS TO COMPLETE DISPOSAL ONCE OPERATIONS ARE RESUMED.

D. ERT/TAT MIKE CATALANO TO BE ON SITE WEDNESDAY, 9/30/87 TO REINSTALL A NEW COMPUTER COST MANGEMENT SYSTEM TO INTERFACE WITH ERCS PROGRAM.

100504

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: ERD/DEKR (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Thu 1-Oct-87 16:27 EDT Sys 163 (86)
Subject: SHAFFER EQUIPMENT POL 130
Mail Id: IPM-163-671001-148100306

POL REP #130
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (9/30/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. ERI/TAT MIKE CATALANO ON SITE THIS DATE TO REINSTALL A NEW COMPUTER COST MANAGEMENT SYSTEM TO INTERFACE WITH ERCS PROGRAM.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

D. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 2
ERCS - 5

E. ESTIMATED PROJECT COSTS (COB 9/29/87)

	COST TO DATE	CEILING
EPA	\$6,488.48	15K
TAT	12,745.50	50K
ERCS	657,799.90	830K
TOTAL	677,033.88	

F. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

4 TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

G. WEATHER: SHOWERS AM, COOL, MID 60'S.

II. ACTIONS TAKEN

A. REMOVAL OF CONCRETE PADS CONTINUES.

B. FAS BRIEFED SR. OSC BOB CARON ON SITE STATUS AND INFORMED HIM OF OPTIONS AVAILABLE FOR DISPOSING OF CONCRETE PADS. SR. OSC OPTED TO GO WITH COUNTY LANDFILL WHICH WILL REQUIRE CERTIFICATION BEFORE DISPOSAL.

II. ACTIONS TAKEN CONTINUED (9/30/87)

C. FAS CONTACTED GARRET ARAI TO OBTAIN INFORMATION REGARDING 2 DRUMS STAGED NEAR BUILDING AND 1 DRUM STAGED INSIDE FENCE. OSC INFORMED FAS THAT THE 2 NEAR THE BUILDING ARE OF UNKNOWN CONTENTS AND THE ONE WITHIN THE FENCE MORE THAN LIKELY CONTAINS WASH WATER.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES. INCLUDING REMOVAL AND DISPOSAL OF CONCRETE PADS.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL ACTIVITIES TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS. FAS ESTIMATES 5-7 DAYS TO COMPLETE DISPOSAL ONCE OPERATIONS ARE RESUMED.

D. SAMPLING OF CONCRETE PADS AND DRUMS STAGED ON SITE TO BE COMPLETED THURSDAY, 10/1/87.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100505

To: ERD/DEAR (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Fri 2-Oct-87 14:02 EDT Sys 123 (90)
Subject: SHAFFER EQUIPMENT SITE POL. 131
Mail Id: 1PM-103-071002-126440454

POLREP #131
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/1/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. ERT/INT MIKE CATLAND ON SITE THIS DATE TO CONTINUE REINSTALLATION OF A NEW COMPUTER COST MANAGEMENT SYSTEM TO INTERFACE WITH ERCS PROGRAM.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

D. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 2
ERCS - 5

E. ESTIMATED PROJECT COSTS (COB 9/30/87)

	COST TO DATE	CEILING
EPA	\$6,672.88	15K
TAT	13,115.50	50K
ERCS	659,710.82	830K
TOTAL	679,499.20	

F. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

G. WEATHER: COOL, SUNNY, HIGH 60

II. ACTIONS TAKEN

A. REMOVAL OF CONCRETE PADS CONTINUES.

B. SAMPLES FROM EACH OF THE 4 CONCRETE PADS WERE PROPERLY LABELED, PACKAGED, AND SENT VIA FED EX TO CENTEC ANALYTICAL, SALEM, VA., THIS DATE FOR 3 DAY TURNAROUND.

III. ACTIONS TAKEN CONTINUED (10/1/87)

C. FAS CONTACTED WVDNR AND SPOKE WITH HAROLD DUNBAR REGARDING DISPOSAL OF CONCRETE PADS. MR. DUNBAR INFORMED FAS THAT THE LANDFILL WILL BE REQUIRED TO SUBMIT WRITTEN REQUEST TO WVDNR TO OBTAIN PERMISSION TO ACCEPT THE CONCRETE. WVDNR WILL BE FORWARDED A COPY OF THE ANALYTICAL DATA.

D. 3 DRUMS STAGED ON SITE SAMPLED THIS DATE. PHYSICAL CHARACTERISTICS IDENTIFIED THE CONTENTS OF THE DRUMS AS RAINWATER, WASHWATER, AND MOTOR OIL.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES, INCLUDING REMOVAL AND DISPOSAL OF CONCRETE PADS.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL ACTIVITIES TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS. FAS ESTIMATES 5-7 DAYS TO COMPLETE DISPOSAL, ONCE OPERATIONS ARE RESUMED.

D. AWAIT SAMPLE RESULTS FOR DISPOSAL OF CONCRETE PADS.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100306

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Sat 3-Oct-87 13:59 EDT Sys 163 (77)
Subject: POLREP #132 SHAFFER EQUIPMENT SITE
Mail Id: 1PM-163-871003-125951249

POLREP #132
SHAFFER EQUIPMENT SITE
MINDEN, WYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/2/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. ERT/TAT MIKE CATALANO ON SITE THIS DATE TO CONTINUE REINSTALLATION OF A NEW COMPUTER COST MANAGEMENT SYSTEM TO INTERFACE WITH ERCS PROGRAM.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

D. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 2
ERCS - 4

E. ESTIMATED PROJECT COSTS (DOB 10/1/87)

	COST TO DATE	CEILING
EPA	\$6,857.28	15K
TAT	14,485.50	50K
ERCS	\$81,634.30	830K
TOTAL	\$92,977.08	

F. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2.010

G. WEATHER: COOL, SUNNY, HIGH 65

II. ACTIONS TAKEN

A. CRUSHING OF CONCRETE PADS COMPLETE THIS DATE. CONCRETE PILED AND AWAITING DISPOSAL.

B. FAS PAULA CURTIN CONTACTED SR. OSC BOB CARON THIS DATE TO INQUIRE ON STATUS OF ADDITIONAL FUNDS AND UPDATE ON SITE STATUS. SR. OSC INFORMED THAT FUNDING WAS STILL IN REGIONAL CONCURRENCE CHAIN.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL AND CONCRETE PADS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS AND RECEIPT OF ANALYTICAL RESULTS.

D. TATM LUDWIG TO MOBILIZE TO SITE MONDAY, 10/5/87.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION 111
PHILADELPHIA, PA

100507

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Tue 6-Oct-87 12:12 EDT Sys 163 (76)
Subject: SHAFFER EQUIPMENT PDL 133
Mail ID: 1PM-163-B7100C-109830434

POLREP #133

SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/5/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR USL BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1 SECURITY - 1
TAT - 1
ERCS - 4

D. ESTIMATED PROJECT COSTS (COD 10/4/87)

	COST TO DATE	CEILING
EPA	\$7,278.15	15K
TAT	14,055.50	50K
ERCS	685,598.30	830K
TOTAL	686,929.95	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: COOL, SUNNY, HIGH 65

II. ACTIONS TAKEN

A. ERT/TAT MIKE CATALANO DEMOED SATURDAY, 10/3/87.

B. FAS PAULA CURTIN CONTACTED SR.OSC BOB CARON THIS DATE TO INQUIRE ON STATUS OF ADDITIONAL FUNDS AND UPDATE ON SITE STATUS. SR.OSC INFORMED THAT FUNDING WAS STILL IN REGIONAL CONCURRENCE CHAIN.

C. SITE RESTORATION ACTIVITIES INCLUDED REMOVAL OF SOUTH PORTION OF FENCE. TURNING OF SOIL TO DRY. AND REMOVAL OF EXPOSED REBAR FROM THE CONCRETE CHUNKS AS REQUIRED BY FAYETTE COUNTY LANDFILL.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL AND CONCRETE PADS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS AND RECEIPT OF ANALYTICAL RESULTS.

D. TATH LUDWIG TO BE ON SITE TUESDAY, 10/6/87.

ROBERT F. CARON, SR. USL
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100508

To: ERD/DERR (EPAS511)
To: T. MASSEY (EPAS574)
From: T. MASSEY (EPAS574) Delivered: Wed 7-Oct-87 16:30 EDT Size 103 (90)
Subject: SHAFFER EQUIPMENT POL. 134
Mail Id: 1PM-163-871007-14858:11

POLAR 134
SHAFFER EQUIPMENT SITE
MINNEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/6/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST. P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR DSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 2
ERCS - 4

D. ESTIMATED PROJECT COSTS (CDD 10/5/87)

	COST TO DATE	CEILING
EPA	\$7,450.22	15K
TAT	14,618.00	50K
ERCS	\$67,583.09	850K
TOTAL	\$89,651.31	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: WINDY, COOL, SHOWERS, HIGH 60

II. ACTIONS TAKEN

A. TAT PAUL LUMIG MOBILIZED TO SITE THIS DATE 10/6/87.

B. FAS PAULA CURTIN CONTACTED SAUSC BOB CARON THIS DATE TO INQUIRE ON STATUS OF ADDITIONAL FUNDS AND UPDATE ON SITE STATUS AND PCB ANALYTICALS FROM THE 4 CONCRETE PADS. SA. OSC INFORMED THAT FUNDING WAS STILL IN REGIONAL CONCURRENCE CHAIN.

C. SITE RESTORATION ACTIVITIES INCLUDED REMOVAL OF NORTH PORTION OF FENCE, TURNING OF SOIL TO DRY, AND BANNER GUARDING.

III. ACTIONS TAKEN CONTINUED (10/6/87)

D. FAS CONTACTED WVDNR GEORGE CHAPPEL FOR ASSISTANCE IN LOCATING A DISPOSAL FACILITY TO ACCEPT CONCRETE. MR. CHAPPEL WAS VERY HELPFUL IN LENDING HIS ASSISTANCE AND SUGGESTED THE MERCER COUNTY LANDFILL OR THE MONROE COUNTY LANDFILL. MERCER COUNTY DECLINED REQUEST TO ACCEPT WASTE.

E. FAS AND ERCS RM MET WITH DAVID HUMPHREY, OWNER OF HAM SANITARY LANDFILL, MONROE COUNTY, REGARDING THE POSSIBILITY OF HIS FACILITY ACCEPTING CONCRETE. MR. HUMPHREY WAS SUPPLIED WITH WRITTEN REQUEST AND ANALYTICAL DATA. OWNER TO CONSULT WITH ENGINEER AND WVDNR BEFORE ACCEPTANCE WILL BE GIVEN.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL AND CONCRETE PADS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS AND RECEIPT OF ANALYTICAL RESULTS.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100509

To: LRD/GERA (EPA9374)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Thu 8-Oct-87 10:22 EDT 546 103 (73)
Subject: SHAFFER EQUIPMENT POLREP 135
Mail Id: IPM-163-871008-003300987

POLREP #135
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/7/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 2
ERCS - 4

D. ESTIMATED PROJECT COSTS (COB 10/6/87)

	COST TO DATE	CEILING
EPA	\$7,664.72	15K
TAT	15,358.00	50K
ERCS	670,549.03	830K
TOTAL	693,571.75	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

* TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: WINDY, COOL, SHOWERS, HIGH 58

II. ACTIONS TAKEN

A. FAS MET WITH WVDNR GEORGE CHAPPELL AND SUPPLIED HIM WITH WRITTEN REQUEST AND ANALYTICAL DATA FOR DISPOSAL OF CONCRETE.

B. ERCS OHM OBTAINED JACK HAMMERS AND AIR COMPRESSORS FOR USE IN THE BREAKING UP OF LARGE CONCRETE CHUNKS FOR TRANSPORTATION AND DISPOSAL AS REQUESTED BY LANDFILL.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

III. FUTURE PLANS CONTINUED (10/7/87)

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL AND CONCRETE PADS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS AND RECEIPT OF ANALYTICAL RESULTS.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100510

AR100510

To: EAD/OERR (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Fri 9-Oct-87 9:53 EDT Sys 103 (70)
Subject: SHAFFER EQUIPMENT POL 138
Mail Id: 1PM-163-671009-069070742

POLREP #138
SHAFFER EQUIPMENT SITE
MINDEN, PAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/6/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 1
ERCS - 6

D. ESTIMATED PROJECT COSTS (COD 10/7/87)

	COST TO DATE	CEILING
EPA	\$7,825.42	15K
TAT	16,010.50	50K
ERCS	674,392.07	830K
TOTAL	698,571.75	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

* TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: PARTLY CLOUDY, WINDY, COOL, HIGH 55.

II. ACTIONS TAKEN

A. ERCS RM MET WITH BUILDER ARNOLD CAMPBELL REGARDING RESTORATION OF THE DETERIORATED WALL ON THE SHAFFER BUILDING. MR. CAMPBELL TO SUBMIT PROPOSAL ASAP.

B. ERCS BEGAN JACK HAMMERING OF LARGE CONCRETE CHUNKS FOR TRANSPORTATION AND DISPOSAL.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

III. FUTURE PLANS CONTINUED (10/6/87)

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL AND CONCRETE PADS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDS.

D. AWAIT DISPOSAL APPROVAL FOR CONCRETE PADS FROM MONROE COUNTY LANDFILL/WVDNR.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100511

To: ERD/DERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 12-Oct-87 13:33 EDT Sys 103 (76)
Subject: SHAFFER EQUIPMENT POL.137
Mail ID: 1PM-103-871012-122090661

POLREP #137

SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/9/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 1
ERCS - 6

D. ESTIMATED PROJECT COSTS (COR 10/6/87)

	COST TO DATE	CEILING
EPA	\$7,937.97	15K
TAT	18,350.50	50K
ERCS	278,981.50	830K
TOTAL	701,329.97	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: COOL, SUNNY SO.

II. ACTIONS TAKEN

A. ERCS CONTINUED JACK HAMMERING OF LARGE CONCRETE CHUNKS FOR TRANSPORTATION AND DISPOSAL.

B. FAS, P. CURTIN CONTACTED SR. OSC, BOB CARON AND INQUIRED ON STATUS OF ADDITIONAL FUNDING. SR. OSC INFORMED THAT DOCUMENT WAS NOW IN HIS CONCURRENCE CHAIN. OSC DIRECTED FAS TO BEGIN MAKING ARRANGEMENTS FOR T&D TO RESUME 10/13/87.

C. ERCS RM DIRECTED TO ARRANGE FOR ADDITIONAL PERSONNEL AND SCHEDULE SEVEN TRUCKS TO RESUME TRANSPORTATION AND DISPOSAL OPERATIONS TUESDAY, 10/13/87.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN HEADQUARTERS CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PCB SOIL TO RESUME TUESDAY, 10/13/87 WITH SEVEN TRUCKS SCHEDULED.

D. AWAIT DISPOSAL APPROVAL FOR CONCRETE PAVS FROM MORRIS COUNTY LANDFILL/WVDNR.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100512

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Tue 13-Oct-87 10:58 EDT Sys 183 (70)
Subject: POLREP #138 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871013-098820447

POLREP #138
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/12/87 - 1800 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SENIOR OSC, BOB CARON.

C. PERSONNEL ON SCENE:
EPA - 1 SECURITY - 1
TAT - 1
ERCS - 6

D. ESTIMATED PROJECT COSTS (DOB 10/11/87)

	COST TO DATE	CEILING
EPA	\$8,353.67	15K
TAT	18,660.50	50K
ERCS	681,644.70	630K
TOTAL	708,658.67	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

# TRUCKS LOADED	90
SOIL TRANSPORTED (TONS)	2,010

F. WEATHER: COOL, OVERCAST HIGH 40S.

II. ACTIONS TAKEN

A. ERCS CONTINUED JACK HAMMERING OF LARGE CONCRETE CHUNKS FOR TRANSPORTATION AND DISPOSAL.

B. ERCS MOBILIZED FOUR ADDITIONAL PERSONNEL NECESSARY TO RESUME TRANSPORTATION AND DISPOSAL OPERATIONS.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST / 2 MILLION EXEMPTION CURRENTLY IN HEADQUARTERS CONCURRENCE CHAIN.

C. TRANSPORTATION AND DISPOSAL OF PLB SOIL TO RESUME TUESDAY, 10/13/87 WITH SEVEN TRUCKS SCHEDULED.

D. AWAIT DISPOSAL APPROVAL FOR CONCRETE PADS FROM MONROE COUNTY LANDFILL/WVDNR.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100513

TO: EMD/DERP (EPA9374)
TO: T. MASSEY (EPA9374)
FROM: T. MASSEY (EPA9374) Delivered: Thu 10-Oct-87 10:05 EDT Svr 103 (76)
Subject: CHAFFER EQUIPMENT POL. 140
Mail ID: 12M-163-871015-090760569

RELIED WITH
CHAFFER EQUIPMENT SITE
MINNER, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/14/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL ACTIVITIES RESUME.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA	- 1	TRUCKING SUBS	- 2
TAT	- 1	SECURITY	- 1
ERCS	- 10		

D. ESTIMATED PROJECT COSTS (COB 10/13/87):

	COST TO DATE	LEADING
EPA	\$ 8,704.69	15K
TAT	17,400.50	50K
ERCS	725,789.79	830K
TOTAL	751,789.79	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	10/14/87	TOTAL TO DATE
NO. TRUCKS	6	102
SOIL TRANSPORTED (TONS)	131.80	2,272.35

F. WEATHER: COLD FOGGY AM. LOW 28. SUNNY PM HIGH 61.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED TRUCK LOADING, MANIFESTING AND TRANSPORTATION OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA.

B. SR. OSC BOB CARON CONTACTED FAS REGARDING CONCRETE DISPOSAL. AS DIRECTED BY SR. OSC FAS TASKED ERCS RM TO EXPLORE THE OPTIONS OF LANDFILL DISPOSAL VS CRUSHING AND ON-SITE DISPOSAL.

C. CAMERAMAN FOR WOAY ONE HILL NEWS ON SITE THIS DATE. FOOTAGE OF TSD OPERATIONS TAKEN. NO FORMAL STATEMENT GIVEN.

D. ERCS FOREMAN OPERATION, AND 3 RTE DECEID THIS DATE. TO RETURN WHEN TRUCKING OPERATIONS RESUME.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CEASE THIS DATE, WEDNESDAY, 10/14/87. TO BE STARTED AGAIN WITH THE ACQUISITION OF ADDITIONAL FUNDS.

B. ANNUAL FUNDING INCREASE REQUEST.

C. CONTINUE TO WORK WITH G. CHAPPELL, WVDNR REGARDING DISPOSAL OF CONCRETE PADS.

/-----
ROBERT E. CARON, SR. OSC
PAUL J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100514

TO: T. MASSEY (EPH9374)
From: T. MASSEY (EPH9374) Delivered: Fri 16-Oct-87 11:25 EDT Sys 103 (03)
Subject: TISCHNER EQUIPMENT POL. 141
Mail ID: 10M-123-871016-102780022

FOUR REP #141
SNIPPER EQUIPMENT SITE
MINDEN, FRANKLIN COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/15/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, M. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1 SECURITY - 1
TAT - 1
ERCS - 5

D. ESTIMATED PROJECT COSTS (COB 10/14/87):

	COST TO DATE	CEILING
EPA	\$ 0.877.24	15K
TAT	17.710.50	50K
ERCS	789.664.57	830K
TOTAL	798.252.31	

E. TRACKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED	102
SOIL TRANSPORTED (TONS)	2,272.35

F. WEATHER: COLD AIR, LOW 28, SUNNY PM, HIGH 69

II. ACTIONS TAKEN

A. JACK HAMMERING OF CONCRETE PADS RESUMES.

B. MONROE COUNTY LANDFILL OPERATOR, DAVID HUMPHREY ON SITE THIS DATE THURSDAY, 10/15/87, TO OBSERVE CONCRETE PILES. MR. HUMPHREY TO GIVE ESTIMATE ON TRANSPORTATION AND DISPOSAL OF CONCRETE ASP.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT FUNDING INCREASE REQUEST.

C. CONTINUE EXPLORING CONCRETE DISPOSAL OPTIONS.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100515

POLREP #142
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/16/87 - 1700 hours)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON-SCENE: EPA-1, ERCS-5, TAT-1, Security-1

D. ESTIMATED PROJECT COSTS, COB 10/15/87:

	COST	CEILING
EPA	\$ 9,037.94	\$ 15,000
TAT	18,020.50	50,000
ERCS	776,-65.95	830,000
TOTAL	799,411.85	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED 102

SOIL TRANSPORTED (TONS) 2,272.35

F. WEATHER: COLD AM, LOW 32, SUNNY PM, HIGH 73.

II. ACTIONS TAKEN

A. JACK HAMMERING OF CONCRETE PADS COMPLETED.

B. SR. OSC BOB CARON CONTACTED FAS CURTIN AND WAS BRIEFED ON SITE STATUS.

III. FUTURE PLANS

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT APPROVAL OF FUNDING INCREASE REQUEST.

C. AWAIT MONROE COUNTY LANDFILL OPERATOR, DAVID HUMPHREY'S ESTIMATE ON TRANSPORTATION AND DISPOSAL OF CONCRETE.

D. CONTINUE EXPLORING CONCRETE DISPOSAL OPTIONS.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

POLREP #143
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/19/87 - 1700 hours)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON-SCENE: EPA-1, ERCS-5, TAT-1, Security-1

D. ESTIMATED PROJECT COSTS, COB 10/15/87:

	COST	CEILING
EPA	\$ 9,393.94	\$ 15,000
TAT	18,470.50	50,000
ERCS	776,065.95	830,000
TOTAL	803,930.09	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED 102

SOIL TRANSPORTED (TONS) 2,272.35

F. WEATHER: COLD AM, LOW 33, OVERCAST PM, HIGH 72.

II. ACTIONS TAKEN

A. SOIL PILE COVERED AS RAIN FORECAST FOR TONIGHT AND TOMORROW.

B. SR. OSC BOB CARON CONTACTED FAS CURTIN AND WAS BRIEFED ON SITE STATUS.

C. ESTIMATES FOR T&D OF CONCRETE FROM MONROE COUNTY LANDFILL AND TWO OHIO LANDFILLS SUBMITTED TO FAS THIS DATE FOR REVIEW.

III. FUTURE PLANS (10/19/87)

A. CONTINUE SITE RESTORATION ACTIVITIES.

B. AWAIT APPROVAL OF FUNDING INCREASE REQUEST.

C. CONTINUE EXPLORING CONCRETE DISPOSAL OPTIONS.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100517

POLREP #144
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/20/87 - 1600 hours)

A. SITE RESTORATION ACTIVITIES UNDERWAY. TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON-SCENE: EPA-1, ERCS-5, TAT-1, Security-1

D. ESTIMATED PROJECT COSTS, COB 10/15/87:

	COST	CEILING
EPA	\$ 9,554.34	\$ 15,000
TAT	18,840.50	50,000
ERCS	778,721.32	830,000
TOTAL	807,116.16	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED 102

SOIL TRANSPORTED (TONS) 2,272.35

F. WEATHER: COLD AM, LOW 42, OVERCAST PM, HIGH 65.

II. ACTIONS TAKEN

A. SR. OSC BOB CARON CONTACTED FAS AND INFORMED THAT FUNDING DOCUMENT IS CURRENTLY IN OFFICE OF GENERAL COUNCIL.

B. SR. OSC SERIOUSLY CONTEMPLATING DEMOBILIZATION.

C. REMAINDER OF LINK FENCE REMOVED FROM HOT ZONE THIS DATE. ERCS ISOLATED HOT ZONE WITH SNOW FENCE AND BANNERGUARD.

III. FUTURE PLANS (10/19/87)

A. SR. OSC CARON TO CONTACT FAS REGARDING DECISION ON DEMOBILIZATION OF THE SHAFFER SITE WEDNESDAY, 10/21/87.

B. AWAIT APPROVAL OF FUNDING INCREASE REQUEST.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

TO: ERD/DEK (EPH5511)
To: T. MASSEY (EPH9374)
From: T. MASSEY (EPH9374) Delivered: Thu 22-Oct-87 9:13 EDT Svs 103 179
Subject: SHAFFER EQUIPMENT POL. 145
Mail Id: 1PM-163-871022-083031011

POLREP 1145
HAZARDOUS WASTE SITE
RANNEY, FORTALE, COVINGTON, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/21/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES AND TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDING.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO MONITOR SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. FAS CURTIN, ERCS RM, PCT, AND FOUR (4) RT'S DEMOED THIS DATE. TMT AND ONE (1) RT TO REMAIN ON SITE.

D. PERSONNEL ON SCENE:

ERCS	- 1	SECURITY	- 1
TMT	- 1		
ERCS	- 5		

E. ESTIMATED PROJECT COSTS (CON 10/20/87):

	COST TO DATE	REMAINING
ERCS	\$ 9,755.04	15K
TMT	19,180.50	50K
ERCS	782,083.08	830K
TOTAL	810,978.57	

F. TRACKING AND DISPOSAL OPERATIONS TO DATE:

RTS TRACKED LOADED	102
SOIL TRANSPORTED (TONS)	2,272.35

G. WEATHER: CLOUDY, WINDY, AND COOL, HIGH 45. WINDS 10-20-MPH.

II. ACTIONS TAKEN

A. SR. OSC BOB CARON CONTACTED FAS AND INFORMED THAT FUNDING DOCUMENT IS CURRENTLY IN OFFICE OF GENERAL COUNCIL.

B. SR. OSC INSTRUCTED FAS CURTIN TO DEMOBE THIS DATE TO RETURN TO SITE MONDAY, 10/26/87. AS FUNDING REQUEST ANTICIPATED AND OPERATIONS TO RESUME UPON RECEIPT.

C. FAS INSTRUCTED RM ERCS TO DEMOBE ALL ERCS PERSONNEL SAVE FOR ONE RT WHO WILL BE RESPONSIBLE FOR OPERATION OF LIGHTS ON SITE. ERCS RM AND PCT TO RETURN MONDAY, 10/26/87.

D. AS INSTRUCTED BY SR. OSC, FAS DIRECTED TMT CENTER TO REMAIN ON SITE TO WORK ON OSC REPORT AND OPERATE COMMAND POST.

III. FUTURE PLANS

A. AWAIT APPROVAL OF FUNDING INCREASE REQUEST.

B. FAS PAULA CURTIN, ERCS RM, AND ONE PCT TO RETURN TO SITE MONDAY, 10/26/87.

C. SITE OPERATIONS TO RESUME UPON RECEIPT OF ADDITIONAL FUNDING.

100519

ROBERT A. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: ERD/DEER (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Fri 23-Oct-87 14:14 EDT Sys 1
Subject: SHAFFER EQUIPMENT POL. 146
Mail To: 100-103-871023-128131196

POLAR 146

SHAFFER EQUIPMENT SITE

MINDER, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/22/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES AND TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. DSC BOB CARON.

C. PERSONNEL ON SCENE:

TAT - 1 ERCS - 1 SECURITY - 1

D. ESTIMATED PROJECT COSTS (CUM 10/21/87):

	COST TO DATE	CEILING
EPA	\$ 3,875.74	15K
TAT	15,550.50	50K
ERCS	762,063.03	820K
TOTAL	811,509.27	

E. TRACKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED	102
SOIL TRANSPORTED (TONS)	2,272.23

F. WEATHER: SUNNY, BREEZY, AND COOL, HIGH 50.

II. ACTIONS TAKEN

A. FAS CONTACTED HOS AND WAS INFORMED THAT FUNDING REQUEST ANTICIPATED TO BE SIGNED OFF BY MONDAY, 10/26/87.

B. AS INSTRUCTED BY FAS, TAT CONTINUED TO MAN COMMAND POST AND WORK ON SHAFFER EQUIPMENT DSC REPORT.

100520

AR100520

To: SAC/DERR (PPH0011)
To: T. WISSEY (PPH0374)
From: T. WISSEY (PPH0374) Delivered: 100 27-000-87 10:20 PM 10/26/67
Subject: SHOFFER EVIDENCE T. PUL 140
Mail ID: 100-163-871023-06300085

PPH0011

SHOFFER EVIDENCE SITE

SHOFFER EVIDENCE COUNTY, NV

ATTN: TOM WISSEY AND TIM FIELDS

I. SITUATION (10/26/67 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES AND TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDING.

B. FIELD ADMINISTRATIVE SPECIALIST, P. LUP IN CHARGE OF TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SAC, DERR FOR CANCEL.

C. KEY PERSONNEL RETURNED TO SITE THIS DATE AND RECEIVED ADDITIONAL FUNDING INFORMATION.

D. PERSONNEL ON SITE:

SA - 1 ERS - 3
TIC - 1 SECURITY - 1

E. ESTIMATED PROFIT COSTS (ALL 10/26/67):

	COST TO DATE	REMAINING
SA	\$ 5,000.00	100
TIC	\$0,200.00	500
ERS	\$10,000.00	2000
TOTAL	\$15,200.00	

F. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED	100
NO. TRUCKS UNLOADED (TONS)	2,000.00

G. COMMENTS: CDR. P. LUP IS SURE FELD P. LUP IS ON.

II. ACTIONS TAKEN

A. P. LUP CURTIN, ERS RM AND P. LUP REMOVED THIS DATE.

B. P. LUP REMOVED ERS RM AND P. LUP REMOVED THIS DATE. FUNDING REQUEST WAS EXPEDITED TO BE SIGNED OFF BY SAC, DERR.

III. FUTURE PLANS

A. WAIT APPROVAL OF FUNDING INCREASE REQUEST.

B. SITE OPERATIONS TO BECOME OPERATIONAL OF ADDITIONAL FUNDING.

ROBERT E. LUPIN, SR. SAC
MILWAUKEE, WIS. 531
US EPA - REGION III
PHILADELPHIA, PA

100531

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Wed 28-Oct-87 11:08 EST Sys 11
Subject: SHAFFER EQUIPMENT POL.149
Mail Id: IPM-163-871028-100270455

POLREP #149
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/27/87 - 1700 HOURS)

A. SITE RESTORATION ACTIVITIES AND TRANSPORTATION AND DISPOSAL OPERATIONS SUSPENDED PENDING RECEIPT OF ADDITIONAL FUNDS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA	-	1	ERCS	-	3
TAT	-	1	SECURITY	-	1

D. ESTIMATED PROJECT COSTS (COB 10/26/87):

	COST TO DATE	CEILING
EPA	\$ 10,060.14	15K
TAT	20,680.50	50K
ERCS	787,838.14	830K
TOTAL	818,578.78	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED	102
SOIL TRANSPORTED (TONS)	2,272.35

F. WEATHER: RAINY, COLD, HIGH 40.

II. ACTIONS TAKEN

A. FAS PAULA CURTIN CONTACTED EPA HQS AND INQUIRED ON STATUS OF FUNDING DOCUMENT. DOCUMENT ANTICIPATED TO BE SIGNED 10/28/87.

III. FUTURE PLANS

A. AWAIT APPROVAL OF FUNDING INCREASE REQUEST.

B. TRANSPORTATION AND DISPOSAL ACTIVITIES TO CONTINUE UPON RECEIPT OF ADDITIONAL FUNDS.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100522

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Thu 29-Oct-87 9:41 EST Sys 26:
Subject: POLREP #150 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871029-087180397

POLREP #150
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/28/87 - 1900 HOURS)

A. ADDITIONAL FUNDING APPROVAL RECEIVED. TRANSPORTATION AND DISPOSAL OPERATIONS TO RESUME.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 3
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (DOB 10/27/87):

	COST TO DATE	CEILING
EPA	\$ 10,235.19	15K
TAT	21,020.50	50K
ERCS	791,939.90	2.065K
TOTAL	818,578.78	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

NO. TRUCKS LOADED	102
SOIL TRANSPORTED (TONS)	2,272.35

F. WEATHER: SUNNY, COLD, HIGH 45.

II. ACTIONS TAKEN

A. 0900 HRS - FAS P. CURTIN INFORMED BY DAVE LOPEZ, EPA HQS THAT ADDITIONAL FUNDING REQUEST HAD BEEN SIGNED ON 10/27/87.

B. 0915 HRS - FAS CONTACTED EPA REGION III AND REQUESTED A PR BE CUT FOR AN ADDITIONAL 1.235K. DCN #RV0019 WAS OBTAINED.

C. 0930 HRS - FAS CONTACTED WAYMON LOWIE, CONTRACTS EPA HQS AND REQUESTED DELIVERY ORDER BE MODIFIED TO INCREASE CEILING IN ORDER TO CONTINUE TRANSPORTATION AND DISPOSAL OPERATIONS. A WRITTEN REQUEST WAS FAXED THIS DATE.

D. 1050 HRS - FAS CONTACTED SR. OSC BOB CARON TO DISCUSS CONTINUATION OF SITE ACTIVITIES.

E. FAS DIRECTED ERCS RM TO SCHEDULE TRUCKS AND ARRANGE FOR ADDITIONAL ERCS PERSONNEL TO RESUME T&D OPERATIONS.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO RESUME THURSDAY 10/29/87 WITH EIGHT TRUCKS SCHEDULED.

B. ERCS RM TO SUBMIT COSTS FOR CONCRETE CRUSHER 11/2/87.

C. TATM HAVELKA TO MOBILIZE 11/1/87.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100523

POLREP #151
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (10/29/87 - 2000 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS IN PROGRESS.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 9
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 10/28/87):

	COST TO DATE	CEILING
EPA	10,423.01	15K
TAT	21,375.50	50K
ERCS	795,226.54	2.065K
TOTAL	827,030.05	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	10/29/87	TOTAL TO DATE
NO. TRUCKS LOADED	6	103
SOIL TRANSPORTED (TONS)	121.85	2,394.20

F. WEATHER: OVERCAST, COOL, HIGH 50.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. SMELLE, ALABAMA.

B. FAS CONTACTED SR. OSC BOB CARON THIS DATE AND BRIEFED ON TRUCKING SCHEDULE AND SITE STATUS.

C. FAS SPOKE WITH NVDNR/JOHN MEEKS REGARDING AN EXTENSION ON EPA TEMPORARY ID GENERATOR NUMBER. MR. MEEKS INFORMED THAT AN EXTENSION WAS NOT NECESSARY.

FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE FRIDAY 10/30/87 WITH 16-20 TRUCKS SCHEDULED.

B. ERCS RM TO SUBMIT COSTS FOR CONCRETE CRUSHER 11/2/87.

C. ONE ADDITIONAL TAT TO MOBILIZED SATURDAY 10/31/87.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

AR100524

SHAFFER EQUIPMENT SITE
MINDEN, WV

ATTN: TIM FIELDS AND MIKE ZICKLER

SPECIAL BULLETIN - PROJECT STATUS

I. SITUATION (1200 HOURS, FRIDAY, OCTOBER 30, 1987)

A. ADDITIONAL FUNDING REQUEST SIGNED 10/27/87; SITE ONGOING.

II. ACTIONS TAKEN

A. TRANSPORTATION AND DISPOSAL OF STAGED CONTAMINATED SOIL TO CONTINUE AS OF 10/29/87.

B. OSC CANNOT DETERMINE PROJECT CLOSURE DATE AT THIS TIME DUE TO ONGOING STATUS OF SITE.

III. FUTURE PLANS

A. OSC REPORT TO BE DRAFTED AT END OF PROJECT.

**ROBERT E. CARON, OSC
U.S. EPA REGION III
PHILADELPHIA, PA.**

100525

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Mon 2-Nov-87 10:49 EST Sys 163 (71)
Subject: POLREP #153 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871102-097391044

POLREP #153
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/01/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 10
TAT - 2	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 10/31/87):

	COST TO DATE	CEILING
EPA	\$ 10,778.11	15K
TAT	22,025.50	50K
ERCS	925,235.73	2.065K
TOTAL	958,039.34	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	11/01/87	TOTAL TO DATE
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NO. TRUCKS LOADED	17	139
SOIL TRANSPORTED (TONS)	365.53	3,063.97

F. WEATHER: SUNNY, WARM, HIGH 70.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE MONDAY, 11/2/87 WITH 15 TRUCKS SCHEDULED.

B. FAS ESTIMATES 2-3 DAYS TO COMPLETE TRANSPORTATION AND DISPOSAL OF PCB CONTAMINATED SOIL.

C. ERCS RESPONSE MANAGER TO SUBMIT COSTS FOR CONCRETE CRUSHER, MONDAY 11/2/87.

100526

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Tue 3-Nov-87 8:44 EST Sys 163 (71)
Subject: POLREP #154 - SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871103-078660147

POLREP #154
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/02/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 10
TAT - 2	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/01/87):

	COST TO DATE	CEILING
EPA	\$ 11,108.46	15K
TAT	22,989.25	50K
ERCS	1,035,215.40	2.065K
TOTAL	1,069,313.10	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:
11/02/87 TOTAL TO DATE

NO. TRUCKS LOADED	13	152
SOIL TRANSPORTED (TONS)	289.24	3,353.21

F. WEATHER: SUNNY, WARM, HIGH 70.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

B. FAS CONTACTED B. CARON, SR. OSC AND UPDATED ON SITE STATUS.

C. OPA/RAY GERMAN CONTACTED FAS. SITE BRIEFING WAS GIVEN.

D. WVVA/BLUEFIELD AND WOAY/OAK HILL TV STATIONS ONSITE THIS DATE FILMING OPERATIONS. FAS GAVE AN OFF-CAMERA INTERVIEW TO WVVA.

E. ERCS BEGAN DIGGING AROUND OFFICE BUILDING IN PREPARATION OF WALL REPAIR.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE TUESDAY, 11/3/87 WITH 15 TRUCKS SCHEDULED.

B. FAS ESTIMATES 1-2 DAYS TO COMPLETE TRANSPORTATION AND DISPOSAL OF PCB CONTAMINATED SOIL.

100527

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: ERD/OERR (EPA5311)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Wed 4-Nov-87 13:09 EST Sys 1
Subject: SHAFFER EQUIPMENT POL.155
Mail Id: IPM-163-871104-118491007

POLREP #155
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/03/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 10
TAT - 2	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/02/87):

	COST TO DATE	CEILING
EPA	\$ 11,271.66	15K
TAT	23,644.25	50K
ERCS	1,123,923.10	2.065K
TOTAL	1,158,839.01	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:
11/03/87 TOTAL TO DATE

NO. TRUCKS LOADED	16	168
SOIL TRANSPORTED (TONS)	351.81	3,705.02

F. WEATHER: SUNNY, WARM, HIGH 75.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

B. TWO UTILITY POLES STAGED IN THE HOT ZONE ASSUMED TO BE CONTAMINATED AND WARRANT REMOVAL. WIRES WERE RE-ROUTED TO NEARBY POLE BY C&P TELEPHONE COMPANY THIS DATE. MRS. SHAFFER REQUESTED POLES TO BE REPLACED IN SAME LOCATIONS, FOLLOWING T&D ACTIVITIES.

C. SIDING AND SOIL ADJACENT MRS. SHAFFERS OFFICE BUILDING WERE REMOVED THIS DATE IN PREP FOR BUILDING RESTORATION.

D. TERPENTINE LIKE FUMES WERE NOTICED EMANATING FROM THE SE CORNER OF THE HOT ZONE WHERE SOIL WAS RECENTLY SCRAPED.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE WEDNESDAY, 11/4/87 WITH 16 TRUCKS SCHEDULED.

B. FAS ESTIMATES 1-2 DAYS TO COMPLETE TRANSPORTATION AND DISPOSAL OF PCB CONTAMINATED SOIL.

1205.8
ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

AR100528

To: ERD/OERR (EPAS511)
To: T.MASSEY (EPAS374)
From: T.MASSEY (EPAS374) Delivered: Thu 5-Nov-87 10:52 EST Sys 1
Subject: SHAFFER EQUIPMENT PCL.156
Mail Id: IPH-163-871105-087930305

PCLREP #156
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/04/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 10
TAT - 2	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/03/87):

	COST TO DATE	CEILING
EPA	\$ 11,434.86	15K
TAT	24,419.25	30K
ERCS	1,228,319.29	2.065K
TOTAL	1,158,839.11	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	11/04/87	TOTAL TO DATE
NO. TRUCKS LOADED	16	184
SOIL TRANSPORTED (TONS)	361.32	4,066.35

F. WEATHER: SUNNY, WARM, HIGH 75.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

B. RESTORATION OF MRS. SHAFFER'S OFFICE BUILDING CONTINUED THIS DATE WITH PLASTERING OF WALLS.

C. TERPENTINE - LIKE FUMES, ORIGINALLY THOUGHT TO HAVE COME FROM THE HOT ZONE, WERE DISCOVERED TO HAVE COME FROM A RECENTLY PUNCTURED DRUM OF TAN PAINT LOCATED IN A Diked CONTAINMENT AREA 50 FT FROM SHAFFER BUILDING. PRP CLEANUP UNDER INVESTIGATION.

D. SCRAPING OF DIRT IN EAST END OF HOT ZONE HAD UNCOVERED THE WATER TABLE AND MOISTENED THE CONTAMINATED SOIL. STANDING POOLS OF WATER IN THIS AREA ARE LADEN WITH SHEEN.

II. ACTIONS TAKEN CONT (11/4/87)

E. PROPERTY OWNER ANNA SHAFFER ON SITE THIS DATE TO OBSERVE BUILDING RESTORATION.

F. FAS CONTACTED AND UPDATED SR. OSC BOB CARON ON SITE ACTIVITIES.

III. FUTURE PLANS

A. TRANSPORTATION AND DISPOSAL OPERATIONS TO CONTINUE THURSDAY, 11/5/87 WITH 17 TRUCKS SCHEDULED.

B. FAS ESTIMATES 1 DAY TO COMPLETE TRANSPORTATION AND DISPOSAL OF PCB CONTAMINATED SOIL.

C. ERCS TO BRING IN CAT 215 OR EQUIVALENT TO SCRAPE EAST END OF PILE.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100529

To: EPA5311
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Fri 6-Nov-87 9:42 EST Sys 16
Subject: SHAFFER EQUIPMENT POLREP 157
Mail Id: IPM-163-871106-087310160

POLREP #157
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/05/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 10
TAT - 2	SECURITY - 1

D. ESTIMATED PROJECT COSTS (CDB 11/04/87):

	COST TO DATE	CEILING
EPA	\$ 11,609.91	15K
TAT	25,194.25	50K
ERCS	1,337,296.05	2.065K
TOTAL	1,374,100.21	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:
11/05/87 TOTAL TO DATE

NO. TRUCKS LOADED	16	200
SOIL TRANSPORTED (TONS)	355.88	4,422.23

F. WEATHER: SUNNY, COOL, WINDY, 59.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED, LOADING, MANIFESTING, AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

B. RESTORATION OF MRS. SHAFFER'S OFFICE BUILDING CONTINUED THIS DATE.

C. FAS CONTACTED SR. OSC BOB CARON AND UPDATED ON SITE STATUS.

III. FUTURE PLANS

A. MOBILIZE CAT 215 TO BEGIN SCRAPING EAST END OF HOT ZONE WHERE WATER TABLE HAS BEEN EXPOSED.

B. FAS ESTIMATES 1 DAY TO COMPLETE TRANSPORTATION AND DISPOSAL OF PCB CONTAMINATED SOIL.

C. SITE OPERATIONS TO CEASE FRIDAY DUE TO CLOSURE OF LANDFILL. REMAINING LOADS OF SOIL (APPROX. 10) TO BE LOADED MONDAY 11/9.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

AR100530

100530

To: EPAS511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Mon 9-Nov-87 11:56 EST Sys 1
Subject: SHAFFER EQUIPMENT POLREP #158
Mail Id: IPM-163-871109-107450087

POLREP #158
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/06/87 - 1900 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 7
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/05/87):

	COST TO DATE	CEILING
EPA	\$ 11,784.96	15K
TAT	25,864.25	50K
ERCS	1,443,425.34	2.065K
TOTAL	1,481,074.55	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	11/06/87	TOTAL TO DATE
NO. TRUCKS LOADED	-0-	200
SOIL TRANSPORTED (TONS)	-0-	4,422.23

F. WEATHER: SUNNY, COOL, HIGH 45-50.

II. ACTIONS TAKEN

A. OH MATERIALS MOBILIZED/DEMobilIZED CAT 215 THIS DATE TO COMPLETE SCRAPING AND PILING OF REMAINING LOADS OF CONTAMINATED SOIL.

B. RESTORATION OF MRS. SHAFFER'S OFFICE BUILDING COMPLETED THIS DATE.

III. FUTURE PLANS

A. COMPLETE TRANSPORTATION AND DISPOSAL OPERATIONS MONDAY 11/9/87 WITH TEN TRUCKS SCHEDULED.

B. SAMPLING GRID PERIMETER TO BE STAKED OUT MONDAY 11/9/87.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100531

POLREP #159
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/09/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS CONTINUE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA	- 1	ERCS	- 5
TAT	- 1	SECURITY	- 1

D. ESTIMATED PROJECT COSTS (COB 11/08/87):

	COST TO DATE	CEILING
EPA	\$ 12,148.16	15K
TAT	26,227.50	50K
ERCS	1,449,127.40	2.065K
TOTAL	1,487,503.06	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

	11/09/87	TOTAL TO DATE
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NO. TRUCKS LOADED	10	210
SOIL TRANSPORTED (TONS)	244.61	4,666.83

F. WEATHER: COOL, OVERCAST, HEAVY SMOKE HIGH 55.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED LOADING MANIFESTING AND TRANSPORTING OF PCB CONTAMINATED SOIL TO CHEM WASTE MGMT. EMELLE, ALABAMA.

B. COST PROPOSAL FOR CRUSHING OF CONCRETE RECEIVED THIS DATE FROM MINDEN RED DOG:

\$150.00/LOAD X APPROX. 200 LOADS = \$30,000.

C. FAS CONTACTED SR. OSC, BOB CARON AND UPDATED ON SITE STATUS.

D. SAMPLING GRID PERIMETER WAS STAKED OUT THIS DATE.

E. HOT ZONE COVERED WITH VISQUEEN THIS DATE AS HEAVY RAINS ARE FORECAST.

2'd

65:22 28. 9T AON

F. FAS SUPPLIED ANNA SHAFFER WITH A LIST OF QUALIFIED CLEANUP FIRMS AS REQUESTED IN ORDER TO PROPERLY DISPOSE OF 18 DRUMS OF FLAMMABLE WASTES.

III. FUTURE PLANS

A. COMPLETE TRANSPORTATION AND DISPOSAL OPERATIONS TUESDAY, 11/10/87 WITH THREE TRUCKS SCHEDULED.

B. SAMPLING GRID TO BE STAKED OUT AND SAMPLING TO BE COMPLETED TUESDAY, 11/10/87 WEATHER PERMITTING.

100532

POLREP #161
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/11/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS COMPLETED THIS DATE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 5
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/10/87):

	COST TO DATE	CEILING
EPA	\$ 12,493.26	15K
TAT	26,922.50	50K
ERCS	1,526,249.16	2.065K
TOTAL	1,565,664.92	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:
11/11/87 TOTAL TO DATE

NO. TRUCKS LOADED	3	213
SOIL TRANSPORTED (TONS)	68.23	4,735.06

F. WEATHER: COLD, SNOW SHOWERS, WINDY HIGH 27.

II. ACTIONS TAKEN

A. SITE ACTIVITIES THIS DATE INCLUDED LOADING, MANIFESTING, AND TRANSPORTING REMAINING LOADS OF PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE, ALABAMA.

B. ERCS CONTINUED PUMPING STANDING WATER OUT OF EAST END OF HOT ZONE.

III. FUTURE PLANS

A. COMPLETE PUMPING OF WATER OUT OF HOT ZONE.

B. COMPLETE SAMPLING OF SOIL STAGING AREA.

C. BEGIN CRUSHING OF CONCRETE.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100533

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Fri 13-Nov-87 11:41 EST Sys 163 (66)
Subject: SHAFFER EQUIPMENT POL.162
Mail Id: IPM-163-871113-105270139

POLREP #162
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/12/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL OPERATIONS COMPLETE.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 4
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/11/87):

	COST TO DATE	CEILING
EPA	\$ 12,688.06	15K
TAT	27,232.50	50K
ERCS	1,548,247.66	2.065K
TOTAL	1,588,168.22	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE,
TOTAL TO DATE

NO. TRUCKS LOADED	213
SOIL TRANSPORTED (TONS)	4,735.06

F. WEATHER: SUNNY, COLD, WINDY, HIGH 45.

II. ACTIONS TAKEN

A. ERCS COMPLETED PUMPING WATER OUT OF EAST END OF HOT ZONE.

B. SAMPLING COMPLETED THIS DATE. ERCS OBTAINED, NUMBERED, AND PROPERLY LABELED 80 GRAB SAMPLES FOR TRANSPORT TO CEN TECH ANALYTICAL LABS, SALEM, VA, FOR FIVE DAY PCB TURNAROUND.

C. FAS P. CURTIN CONTACTED SR. OSC BOB CARON REGARDING SITE STATUS. FAS GIVEN GO-AHEAD TO INITIATE CONCRETE CRUSHING.

D. ERCS RM CONTACTED MINDEN RED DOG REGARDING CRUSHING OF THE CONCRETE. OPERATIONS TO COMMENCE MONDAY, 11/16/87.

III. FUTURE PLANS

A. SAMPLES TO BE TRANSPORTED VIA ERCS TO CEN TECH LABS FRIDAY 11/13/87 FOR FIVE DAY PCB TURNAROUND.

III. FUTURE PLANS CONT.

B. MINDEN RED DOG TO BEGIN CRUSHING CONCRETE MONDAY, 11/16/87.

100534

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Tue 17-Nov-87 15:43 EST Sys 163 (68
Subject: POLREP 163 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871117-141500545

POLREP #163
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/13/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL COMPLETED WEDNESDAY, 11/11/87.
EIGHTY (80) SAMPLES ARRIVED 0800 HOURS AT CEN TECH ANALYTICAL
LABS THIS DATE FOR 5 DAY PCB TURNAROUND.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES
TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC
BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 4
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/12/87):

	COST TO DATE	CEILING
EPA	\$ 12,843.36	15K
TAT	27,572.50	50K
ERCS	1,551,638.39	2,065K
TOTAL	1,592,054.25	

E. TRUCKING AND DISPOSAL OPERATIONS TO DATE:

TOTAL TO DATE

NO. TRUCKS LOADED	213
SOIL TRANSPORTED (TONS)	4,735.06

F. WEATHER: SUNNY, MILD, HIGH 60.

II. ACTIONS TAKEN

A. ERCS TRANSPORTED 80 SAMPLES TO CEN TECH ANALYTICAL LABS,
SALEM, VA, THIS DATE. SAMPLES ARRIVED PROMPTLY AT 0800 HOURS.

B. ERCS DECONTAMINATED CASE 5511E LOADER TO UTILIZE IN LOADING
CONCRETE INTO TRUCKS MONDAY, 11/16/87.

III. FUTURE PLANS

A. MINDEN RED DOG TO BEGIN CRUSHING CONCRETE MONDAY, 11/16/87.

B. WILLIAMS ELECTRIC TO BE ON SITE TUESDAY, 11/17/87, TO
REROUTE WIRES FROM POLES STAGED IN HOT ZONE.

C. AWAIT PCB ANALYSIS OF 80 SAMPLES FROM CENTECH ANALYTICAL
LABS, SALEM, VA.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100535

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Thu 19-Nov-87 8:10 EST Sys 163 (82)
Subject: POLREP #164 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871119-073600347

POLREP #164
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/17/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87.

B. TRANSPORTATION OF CONCRETE UP TO MINDEN RED DOG CRUSHER FACILITY CONTINUES. CRUSHER IN OPERATION THIS DATE.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

D. PERSONNEL ON SCENE:

EPA - 1	ERCS - 5
TAT - 1	SECURITY - 1

E. ESTIMATED PROJECT COSTS (COB 11/16/87):

	COST TO DATE	CEILING
EPA	\$ 13,193.53	15K
TAT	28,332.50	50K
ERCS	1,562,487.09	2,065K
TOTAL	1,604,013.12	

F. WEATHER: OVERCAST, WINDY, SHOWERS, HIGH 62.

II. ACTIONS TAKEN

A. 42 TRUCKS LOADED WITH CONCRETE TO BE CRUSHED, TRANSPORTED TO MINDEN RED DOG FACILITY THIS DATE. CRUSHING OF CONCRETE BEGAN.

B. FAS DIRECTED ERCS RM TO DRAFT SCHEDULE OF ACTIVITIES THRU COMPLETION OF PROJECT.

C. FAS UPDATED SR. OSC B. CARON ON SITE STATUS AND SCHEDULE OF ACTIVITIES THRU MONDAY, 11/23/87.

D. WILLIAMS ELECTRIC REPLACED TELEPHONE POLES STAGED IN HOT ZONE AREA THIS DATE.

E. ERCS CUT UP OLD TELEPHONE POLES FOR T&D AT A LOCAL LANDFILL.

F. CEN TECH ANALYTICAL LABS CONTACTED ERCS RM REGARDING PCB ANALYSIS ON 39 OF THE 80 SAMPLES DELIVERED. 11 PPM PCB'S REPORTED AS THE HIGHEST CONCENTRATION.

II. ACTIONS TAKEN CONT.

G. ERCS BEGAN GRADING WEST END OF SITE.

H. WOAY TV OAK HILL ON SITE THIS DATE TAKING FOOTAGE OF SITE OPERATIONS.

I. EPA/OPA RAY GERMANN CONTACTED FAS CURTIN MONDAY, 11/16/87 FOR SITE UPDATE.

III. FUTURE PLANS

A. ERCS TO CONTRACT HAULING FIRM TO BRING IN BACKFILL FOR THE HOT ZONE BASIN.

B. AWAIT PCB ANALYSIS OF THE 41 REMAINING SAMPLES FROM CEN TECH ANALYTICAL LABS, SALEM, VA.

100536

ROBERT E. CARON, SR. OSC
ADMIN. & COMM. SEC.

To: ERD/QERR (EPA5511)
To: T. MASSEY (EPA9374)
From: T. MASSEY (EPA9374) Delivered: Thu 19-Nov-87 10:03 EST Sys 163 (76
Subject: SHAFFER EQUIPMENT POL. 166
Mail Id: IPM-163-871119-090481246

POLREP #166
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/18/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87.

B. TRANSPORTATION AND CRUSHING AT MINDEN RED DOG CRUSHING FACILITY COMPLETED THIS DATE WITH A TOTAL OF 72 LOADS TRANSPORTED.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

D. PERSONNEL ON SCENE:

EPA - 1	ERCS - 5
TAT - 1	SECURITY - 1

E. ESTIMATED PROJECT COSTS (COB 11/17/87):

	COST TO DATE	CEILING
EPA	\$ 13,380.43	15K
TAT	28,702.50	50K
ERCS	1,571,503.23	2,065K
TOTAL	1,613,586.16	

F. WEATHER: SUNNY, BREEZY, COOL, LOW 36, HIGH 55.

II. ACTIONS TAKEN

A. 10 TRUCKS LOADED WITH CONCRETE TO BE CRUSHED, TRANSPORTED TO MINDEN RED DOG FACILITY THIS DATE. CRUSHING OF CONCRETE COMPLETED THIS DATE.

B. AS DIRECTED BY FAS, ERCS RM CONTACTED AND CONTRACTED DRENNEN'S EXCAVATING TO HAUL BACKFILL FROM BECKLEY QUARRY TO FILL HOT ZONE BASIN
*ICKS TRANSPORTED 13 LOADS THIS DATE.

C. ERCS BEGAN REMOVING DIKE ADJACENT ARBUCKLE CREEK. SOIL FROM DIKE WAS HAULED ACROSS SITE TO HOT ZONE BASIN VIA DRENNEN'S EXCAVATING.

D. ERCS RM CONTACTED CEN TECH ANALYTICAL LABS REGARDING ANALYTICALS. 37 OF THE 41 REMAINING SAMPLES WERE ANALYZED WITH THE HIGHEST CONCENTRATION REPORTED AT 8 PPM PCB'S.

III. FUTURE PLANS

A. ERCS TO BEGIN DISMANTLING SCAFFOLDING, SCALES, AND SCALE BUILDING FOR LOADOUT.

B. FENCING CONTRACTOR TO REPLACE PROPERTY LINE FENCE UPON COMPLETION OF BASIN FILL-IN.

C. AWAIT ANALYTICAL RESULTS OF 4 REMAINING SAMPLES FROM CEN TECH ANALYTICAL LABS, SALEM, VA.

D. DRENNEN'S EXCAVATING TO HAUL CRUSHED CONCRETE BACK TO SITE FOR USE AS BACKFILL THURSDAY 11/19/87.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS

100537

To: ERD/QERR (EPAS311)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Fri 20-Nov-87 11:33 EST Sys 163 (7)
Subject: SHAFFER EQUIPMENT POL.167
Mail Id: IPM-163-871120-104000929

POLREP #167
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/19/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR.- OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 5
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/18/87):

	COST TO DATE	CEILING
EPA	\$ 13,730.53	15K
TAT	29,442.50	30K
ERCS	1,578,673.65	2,065K
TOTAL	1,621,846.68	

E. WEATHER: SUNNY, COOL, LOW 30, HIGH 53.

II. ACTIONS TAKEN

A. CENTEC ANALYTICAL LABS CONTACTED ERCS RESPONSE MANAGER REGARDING PCB ANALYSIS OF THE REMAINING FOUR SAMPLES. SAMPLE NO. 1 (NE CORNER OF SITE) WAS REPORTED AS HAVING A CONCENTRATION OF 157 PPM PCBs. CENTEC TO REANALYZE SAMPLE TO CONFIRM REPORT.

B. DRENNAN'S EXCAVATING HAULED 29 LOADS (605.5 TONS) OF BACKFILL TO THE SITE THIS DATE.

C. HAULING OF CRUSHED CONCRETE BACK TO SITE FOR USE AS BACKFILL COMPLETED THIS DATE.

D. REMOVAL OF DIKE ADJACENT TO ARBUCKLE CREEK COMPLETED THIS DATE. SOIL USED AS BACKFILL IN EXCULSION ZONE.

E. ERCS DISMANTLED SCAFFOLDING, SCALES AND SCALE HOUSE THIS DATE.

III. FUTURE PLANS

A. AWAIT REANALYSIS OF SAMPLE NO. 1 FROM CENTEC ANALYTICAL LABS.

B. FENCING CONTRACTOR TO REPLACE PROPERTY LINE FENCE UPON COMPLETION OF BASIN FILL-IN.

C. CONTINUE BRINGING IN BACKFILL AND GRADING SITE.

D. BEGIN DECON AND DEMOS OF EQUIPMENT.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100518

To: ERD/OERR (EPASS11)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 23-Nov-87 8:15 EST Sys 163 (75)
Subject: SHAFFER EQUIPMENT POL.168
Mail Id: IPM-163-871123-074260528

POL REP #168

SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/20/87 - 1800 HOURS)

A. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87. SITE RESTORATION ACTIVITIES UNDERWAY.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

EPA - 1	ERCS - 5
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/19/87):

	COST TO DATE	CEILING
EPA	\$ 13,730.53	15K
TAT	29,442.50	50K
ERCS	1,584,954.72	2,065K
TOTAL	1,628,127.75	

E. WEATHER: SNOW SHOWERS, WINDY, COLD, HIGH 33.

II. ACTIONS TAKEN

A. CENTEC ANALYTICAL LABS CONTACTED ERCS RESPONSE MANAGER REGARDING REANALYSIS OF SAMPLE #1. THE CONCENTRATION OF PCBs IN THE SAMPLE WAS CONFIRMED AS 16 PPM AND NOT 157 PPM AS ORIGINALLY REPORTED.

B. DRENNAN'S EXCAVATING HAULED 4 LOADS (93.5 TONS) OF BACKFILL TO THE SITE THIS DATE.

C. ERCS COMPLETED FILLING IN THE NOW CLEAN BASIN.

D. DRENNAN'S EXCAVATING HAULED 40 TONS OF 2" STONE TO THE SITE FOR USE IN REPAIR OF ROAD CIRCLING SHAFFER BUILDING.

E. ERCS DEMOED SCAFFOLDING THIS DATE.

F. CAMERAMAN FOR WOAY TV, OAK HILL, TOOK FOOTAGE OF GRADING OPERATIONS ON SITE THIS DATE. NO FORMAL STATEMENT GIVEN.

III. FUTURE PLANS

A. FENCING CONTRACTOR TO BE ON SITE SATURDAY, 11/21/87, TO PLACE FENCE POSTS ALONG PROPERTY LINE.

B. ERCS TO REPAIR ROAD AROUND SHAFFER BUILDING SATURDAY, 11/21/87, WEATHER PERMITTING.

C. BEGIN FINAL GRADING OF SITE.

D. ERCS TO DEMOBE REMAINING EQUIPMENT.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100539

To: ERD/DERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 23-Nov-87 9:51 EST Sys 163 (61)
Subject: SHAFFER EQUIPMENT POL.169
Mail Id: IPM-163-871123-088790249

POLREP #169
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/21/87 - 1500 HOURS)

A. NO WORK THIS DATE AS 3" OF SNOW ON FROZEN GROUND HAMPERED GRADING OPERATIONS.

B. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87. SITE RESTORATION ACTIVITIES UNDERWAY.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

D. PERSONNEL ON SCENE:

TAT - 1 SECURITY - 1

E. ESTIMATED PROJECT COSTS (COB 11/20/87):

	COST TO DATE	CEILING
EPA	\$ 13,905.58	15K
TAT	29,752.50	50K
ERCS	1,587,732.02	2,065K
TOTAL	1,631,390.10	

F. WEATHER: MORNING FLURRIES, SUNNY PM, HIGH 25.

II. ACTIONS TAKEN

A. FENCING CONTRACTORS PLACED FENCE POSTS ALONG PROPERTY LINE THIS DATE.

III. FUTURE PLANS

A. FENCING CONTRACTOR TO COMPLETE FENCE CONSTRUCTION WEDNESDAY 11/25/87.

B. ERCS TO COMPLETE RESTORATION OF SHAFFER ROAD MONDAY, 11/23/87.

C. BEGIN FINAL GRADING AND POLICE THE SITE.

D. ERCS TO DECON AND DEMOBE REMAINING EQUIPMENT.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100540

To: ERD/OERR (EPA5511)
To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 23-Nov-87 9:53 EST Sys 163 (70)
Subject: SHAFFER EQUIPMENT POLREP 170
Mail Id: IPM-163-871123-089000672

POLREP #170
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/22/87 - 1700 HOURS)

A. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87. SITE RESTORATION ACTIVITIES UNDERWAY.

B. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE:

FAS - 1	ERCS - 5
TAT - 1	SECURITY - 1

D. ESTIMATED PROJECT COSTS (COB 11/21/87):

	COST TO DATE	CEILING
EPA	\$ 13,905.58	15K
TAT	30,017.50	50K
ERCS	1,590,637.02	2,065K
TOTAL	1,634,560.10	

E. WEATHER: SUNNY, COOL, HIGH 50.

II. ACTIONS TAKEN

A. ERCS BEGAN RESTORING ROAD AROUND SHAFFER BUILDING.

B. ERCS BEGAN POLICING THE SITE. SCATTERED DEBRIS PLACED IN ROLLOFF BOX FOR T&D AT LOCAL LANDFILL.

III. FUTURE PLANS

A. ERCS TO COMPLETE RESTORATION OF SHAFFER ROAD MONDAY, 11/23/87.

B. ERCS TO COMPLETE FINAL GRADING MONDAY 10/23/87.

C. ERCS TO DECON EQUIPMENT MONDAY 10/23/87.

D. ERCS TO DEMOB HEAVY EQUIPMENT TUESDAY 10/24/87.

E. FENCING CONTRACTOR TO COMPLETE FENCE CONSTRUCTION WEDNESDAY 11/25/87.

III. FUTURE PLANS (CONTINUED)

F. ALL REMAINING ERCS PERSONNEL, TAT AND FAS TO DEMOB WEDNESDAY 11/25/87.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100541

To: EPA5511
To: EPA9374
From: T. MASSEY (EPA9374) Delivered: Wed 25-Nov-87 10:41 EST Sys 163 (76)
Subject: POLREP #172 SHAFFER EQUIPMENT
Mail Id: IPM-163-871125-096211197

POLREP #172
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: TOM MASSEY AND TIM FIELDS

I. SITUATION (11/24/87 - 1800 HOURS)

A. PREPARATIONS FOR SITE DEMOBILIZATION UNDERWAY.

B. TRANSPORTATION AND DISPOSAL OF 4,735 TONS (213 TRUCKS) PCB CONTAMINATED SOIL TO CHEM WASTE MANAGEMENT, EMELLE ALABAMA COMPLETED 11/11/87.

C. FIELD ADMINISTRATIVE SPECIALIST, P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

D. PERSONNEL ON SCENE:

FAS	-	1	ERCS	-	5
TAT	-	1	SECURITY	-	1

D. ESTIMATED PROJECT COSTS (COB 11/23/87):

	COST TO 'E	CEILING
EPA	\$ 14,538.63	15K
TAT	30,977.50	30K
ERCS	1,602,663.54	2,065K
TOTAL	1,648,179.67	

E. WEATHER: PARTLY CLOUDY, BREEZY, COOL, HIGH 60.

F. MEDIA INTEREST HIGH.

II. ACTIONS TAKEN

A. ERCS RT, D3 DOZER, AND UTILITY LIGHTS DEMOED THIS DATE.

B. WCHS TV8 CHARLESTON CONDUCTED ON-SITE INTERVIEW WITH FAS P. CURTIN THIS DATE.

C. PROPERTY OWNER ANNA SHAFFER CONDUCTED VISUAL INSPECTION OF HER RESTORED PROPERTY AND INDICATED THAT SHE WAS DISSATISFIED WITH THE GRADING, ROAD REPAIR, AND TRENCH DEPTH. SHE ALSO REQUESTED THE DIKE ADJACENT ARBUCKLE CK. BE REBUILT. ERCS REGRADED LOW SPOTS AND REBUILT DIKE ON HER PROPERTY.

D. FAS CONTACTED SR. OSC BOB CARON AND UPDATED HIM ON SITE STATUS AND ANNA SHAFFERS REQUESTS.

III. FUTURE PLANS

A. ERCS TO DEMOBE ALL REMAINING PERSONNEL AND EQUIPMENT WEDNESDAY, 11/25/87.

B. FAS AND TAT TO DEMOBE WEDNESDAY, 11/25/87.

C. FENCING CONTRACTOR TO COMPLETE FENCE CONSTRUCTION WEDNESDAY, 11/25/87.

D. COMMAND POST/SITE SECURITY TO REMAIN UNTIL TUESDAY

100542

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

To: T.MASSEY (EPA9374)
From: T.MASSEY (EPA9374) Delivered: Mon 30-Nov-87 13:56 EST Sys 163 (6)
Subject: shaffer polrep 173
Mail Id: IPM-163-871130-125451189

POLREP #173 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (11/25/87 - 1700 HOURS)

A. ALL REMAINING PERSONNEL AND EQUIPMENT DEMOBILIZING THIS DATE.

B. FAS P. CURTIN CONTINUES TO OVERSEE SITE OPERATIONS UNDER THE DIRECTION OF SR. OSC BOB CARON.

C. PERSONNEL ON SCENE: EPA - 1
TAT - 1
ERCS - 2

D. ESTIMATED PROJECT COSTS (COB 11/25/87):

	ESTIMATED COSTS	CEILING
EPA	\$14,661.83	15K
TAT	31,317.50	50K
ERCS	1,604,676.72	
TOTAL	1,650,656.05	

E. WEATHER: SUNNY, COLD HIGH 50.

F. MEDIA INTEREST MODERATE.

II. ACTIONS TAKEN

A. FENCING SUBCONTRACTOR ONSITE THIS DATE TO COMPLETE FENCE ALONG PROPERTY LINE.

B. PROPERTY OWNER, ANNA SHAFFER ONSITE THIS DATE. MRS. SHAFFER EXPRESSED HER DISATISFACTION WITH SITE RESTORATION.

C. WOAY TV4 OAK HILL ON SCENE THIS DATE. NO FORMAL STATEMENT GIVEN.

D. FAS CONTACTED SR. OSC BOB CARON THIS DATE REGARDING COMPLAINTS OF PROPERTY OWNER. FAS REFERRED PROPERTY OWNER TO OSC.

E. FAS, TAT, ERCS RM AND PCT DEMOBED THIS DATE.

III. FUTURE PLANS

A. DISCONNECT ELECTRIC AND TELEPHONES, TUESDAY 12/1/87.

B. DEMOB OFFICE TRAILER, TUESDAY 12/1/87.

C. AWAIT FINAL INVOICE.

D. PREPARE FINAL OSC REPORT IN ACCORDANCE WITH NCP REQUIREMENTS.

ROBERT E. CARON, SR. OSC
PAULA J. CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100543

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Wed 2-Dec-87 11:19 EST Sys 163 (55)
Subject: POLREP #174 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871202-101981113

POLREP #174 -SHAFFER EQUIPMENT
POLREP #174 - SHAFFER EQUIPMENT
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/1/87 - 1600 HOURS)

- A. SITE COMPLETELY DEMOBILIZED THIS DATE.
- B. PERSONNEL ON SCENE: ERCS - 1, SECURITY - 1.
- C. ESTIMATED PROJECT COSTS TO DATE (COB 11/30/87):

	COST	CEILING
EPA	\$ 14,661.83	15k
TAT	31,317.50	50k
ERCS	1,605,676.72	2,065k
TOTAL	\$1,651,676.72	

II. ACTIONS TAKEN

- A. ERCS DISCONNECTED ELECTRIC, TELEPHONES AND DEMOBILIZED OFFICE TRAILER THIS DATE.
- B. TAT DIRECTED TO INVESTIGATE POTENTIAL FOR FLOODING ON SHAFFER PROPERTY AND PRESENT OPTIONS TO MITIGATE PROBLEM.

III. FUTURE PLANS

- A. AWAIT RECOMMENDATIONS REGARDING POTENTIAL FOR FLOODING OF SITE.
- B. PREPARE FINAL OSC REPORT IN ACCORDANCE WITH NCP REQUIREMENTS.

ROBERT E. CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100544

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Wed 16-Dec-87 11:59 EST Sys 163 (44)
Subject: polrep #175 shaffer equipment
Mail Id: IPM-163-871216-107930935

POLREP #175
SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTENTION: BOB CARON AND TIM FIELDS

I. SITUATION (1600 HOURS 12/14/87)

A. PREPARATIONS FOR ADDITIONAL SITE WORK IN PROGRESS BASED ON TAT EVALUATION OF FLOODING ON SHAFFER SITE.

B. ESTIMATED COSTS TO DATE:

	COST	CEILING
EPA	\$14,661.83	15K
TAT	31,317.50	50K
ERCS	1,605,676.72	2,065K

TOTAL	1,651,656.05	

II. ACTIONS TAKEN

A. OSC PHIL YOUNIS DIRECTED ERCS TO BE ON SITE, 12/15/87 TO BEGIN PREPARATIONS FOR FLOOD CONTROL AT SHAFFER SITE.

B. OSC DIRECTED TAT CARTER TO BE ON SITE 12/15/87 TO PROVIDE PHOTO-DOCUMENTATION AND TECHNICAL ADVISE ON LEVEE CONSTRUCTION.

III. FUTURE PLANS

A. EPA, TAT, AND ERCS PERSONNEL TO MOBE TO SITE 12/15/87.

B. SITE OPERATIONS TO COMMENCE 12/16/87 WITH CONSTRUCTION OF LEVEE AND DRAIN TILE PLACEMENT. ADDITIONAL GRAVEL TO BE BROUGHT TO SITE TO ELLEVIATE LOW SPOTS IN LANDSCAPE.

PHIL YOUNIS, OSC
US EPA REGION III
PHILADELPHIA, PENNSYLVANIA

100545

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Wed 16-Dec-87 12:31 EST Sys 163 (52)
Subject: POLREP 176 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871216-112791105

POLREP #176 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/15/87) - 1800 HOURS)

- A. MOBILIZATION TO CONSTRUCT FLOOD CONTROL MEASURES UNDERWAY.
- B. ESTIMATED COSTS TO DATE:

	COST TO DATE	CEILING
EPA	\$15,125.95	18K
TAT	\$31,607.50	47K
ERCS	1,610,700.00	2,065K
TOTAL	1,657,433.45	

NOTE: 3K FROM TAT CEILING TRANSFERRED TO EPA CEILING TO COVER INTRAMURAL COSTS.

II. ACTIONS TAKEN

- A. OSC, FAS, TAT AND ERCS MOBILIZED THIS DATE TO BEGIN SITE ACTIVITIES INCLUDING: FLOOD CONTROL MEASURES AND ADDITIONAL SITE RESTORATION.
- B. OSC MET WITH ERCS RESPONSE MANAGER TO DISCUSS SPECIFICS OF OPERATION.
- C. OSC CONTACTED PROPERTY OWNER, ANNA SHAFFER TO NOTIFY OF EPA'S PRESENCE AND INTENTIONS.
- D. OSC CONTACTED WVDNR HAZARDOUS WASTE DIVISION, PAM HAYES TO BRIEF ON SITE ACTIVITIES.

III. FUTURE PLANS

- A. BEGIN CONSTRUCTING FLOOD CONTROL AROUND ARBUCKLE CREEK.
- B. OSC YOUNIS TO MEET WITH PROPERTY OWNER, ANNA SHAFFER 0900 HOURS, 12/16/87.

PHILLIP C. YOUNIS, OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100546

TO: EPA9374
From: T.MASSEY (EPA9374) Delivered: Thu 17-Dec-87 11:56 EST Sys 163 (72)
Subject: POLREP 177 SHAFFER EQUIPMENT
Mail Id: IPM-163-871217-107410854

POLREP #177 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/16/87) - 1800 HOURS)

A. CONSTRUCTION OF FLOOD CONTROL MEASURES UNDERWAY.

B. ESTIMATED COSTS TO DATE:

	COST TO DATE	CEILING
EPA	\$15,525.00	18K
TAT	\$31,900.50	47K
ERCS	1,612,500.00	2,065K
TOTAL	1,659,925.50	

NOTE: 3K FROM TAT CEILING TRANSFERRED TO EPA CEILING TO COVER INTRAMURAL COSTS.

II. ACTIONS TAKEN

A. OSC P. YOUNIS CONTACTED EPA/OPA TO UPDATE ON CURRENT SITE ACTIVITY.

B. ERCS SUBCONTRACTOR JR. HUMPHREY INC. MOBED CASE DOZER (D7 EQUIVALENT) AND CASE 580C LOADER/BACKHOE THIS DATE.

C. OSC, TAT, AND ERCS RESPONSE MANAGER MET WITH PROPERTY OWNER ANNA SHAFFER AND FORMER PLANT MANAGER ROBERT MAYNOR TO DISCUSS FLOOD CONTROL MEASURES AND RESTORATION ACTIVITIES. OSC YOUNIS INFORMED THAT LEVEE CONSTRUCTION, DITCH PLACEMENT, AND ROAD CONSTRUCTION WERE UNDERWAY PER MRS. SHAFFER'S REQUEST.

D. FORMER PLANT MANAGER REQUESTED ON THIS DATE THAT FENCE BE RELOCATED TO OUTER PERIMETER OF PROPERTY. OSC INFORMED HIM THAT AFTER CONSULTING WITH A LOCAL SURVEYOR AND SECTION CHIEF, BOB CARON A DECISION WOULD BE MADE CONCERNING THIS ISSUE.

E. EIGHT TRUCK LOADS RIPRAP HAULED IN FROM BECKLEY QUARRY THIS DATE. RIPRAP TO BE UTILIZED IN CONSTRUCTION OF FLOOD WALL.

F. OSC CONTACTED SURVEYOR W. BENNETT TO DETERMINE PROPERTY BOUNDARIES ON SITE.

G. OSC CONTACTED EMERG. RESPONSE SECTION CHIEF, BOB CARON TO BRIEF ON SITE ACTIVITIES.

III. FUTURE PLANS

A. CONTINUE CONSTRUCTING FLOOD CONTROL AROUND ARBUCKLE CREEK.

B. BEGIN CONSTRUCTION OF DRAINAGE DITCH THURSDAY 12/17/87.

C. OSC TO COORDINATE WITH PROPERTY OWNER, ANNA SHAFFER ON SITE ACTIVITIES. OSC TO INFORM HER THAT HER OPTIONS ARE: LEAVE FENCE AS IS, OR FENCE COULD BE TAKEN DOWN BUT NOT PUT BACK UP AT A COST TO THE PROJECT.

100547

PHILLIP C. YOUNIS, OSC
PAULA CURTIN, FAS
US EPA - REGION III

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Fri 18-Dec-87 9:37 EST Sys 163 (49)
Subject: POLREP 178 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871218-086590927

POLREP #178 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/17/87) - 1800 HOURS

A. CONSTRUCTION OF FLOOD CONTROL MEASURES CONTINUES.

B. ESTIMATED COSTS TO DATE:

	COST TO DATE	CEILING
EPA	\$15,900.00	18K
TAT	\$32,300.00	47K
ERCS	1,615,500.00	2,065K
TOTAL	1,663,700.00	

II. ACTIONS TAKEN

A. OSC P. YOUNIS CONTACTED PROPERTY OWNER A. SHAFFER TO UPDATE ON SITE ACTIVITIES AND TO INFORM HER OF DECISION REGARDING FENCE. OSC INFORMED HER THE FENCE COULD EITHER BE LEFT AS IS OR TAKEN DOWN AND RELOCATED AT HER EXPENSE.

B. ERCS CONTINUED HAULING RIPRAP FROM BECKLEY QUARRY TO USE IN CONSTRUCTION OF DIKE.

C. OSC MET WITH PROPERTY OWNER ONSITE AND WAS INFORMED OF HER DECISION TO LEAVE FENCE IN PLACE. MRS. SHAFFER APPEARED TO BE SATISFIED WITH ACTIONS TAKEN AND FUTURE PLANS FOR THE SITE.

III. FUTURE PLANS

A. CONTINUE CONSTRUCTING FLOOD CONTROL AROUND ARBUCKLE CREEK.

B. BEGIN CONSTRUCTION OF DRAINAGE DITCH FRIDAY 12/18/87.

C. CONTINUE WITH GRADING OF PROPERTY.

PHILLIP C. YOUNIS, OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100548

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Sun 20-Dec-87 11:16 EST Sys 163 (70)
Subject: POLREP 179 SHAFFER EQUIPMENT
Mail Id: IPM-163-871220-101460513

POLREP #179 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/18/87) - 1800 HOURS

A. CONSTRUCTION OF FLOOD CONTROL MEASURES CONTINUES.

B. PERSONNEL ON SCENE:

EPA	- 1	TAT	- 1
ERCS	- 3	EXCAVATING SUBCONTRACTORS	- 2

C. ESTIMATED COSTS TO DATE:

	COST TO DATE	CEILING
EPA	\$16,300.00	18K
TAT	\$32,600.00	47K
ERCS	1,622,700.00	2,065K
TOTAL	1,671,600.00	

D. WEATHER: COLD AM, LOW 15; SUNNY PM HIGH 42.

II. ACTIONS TAKEN

A. CONSTRUCTION OF DIKE CONTINUED THIS DATE! VOID FILL FINES HAULED FROM BECKLEY QUARRY WERE PACKED ON THE CONSTRUCTED RIPRAP DIKE.

B. OSC P. YOUNIS MET WITH PROPERTY OWNER ANNA SHAFFER AND UPDATED HER ON THE ONGOING SITE ACTIVITIES. ANNA SHAFFER WAS PLEASED WITH THE DIKE CONSTRUCTION AND FUTURE PLANS FOR THE SITE.

C. ERCS PURCHASED 24 FEET OF 18" CORRUGATED STEEL PIPE TO BE USED TO CONDUIT WATER UNDER THE ACCESS ROAD THAT WILL BE CONSTRUCTED OVER THE DRAINAGE DITCH.

D. ERCS SUBCONTRACTOR JR. HUMPHREY'S SPREAD AND PACKED RIPRAP BASE FOR ROAD ADJACENT THE SHAFFER BUILDING. JR. ALSO LANDSCAPED A PORTION OF THE SITE AND SUGGESTED HAULING IN ADDITIONAL FILL FOR LOW SPOTS SO THAT A PROPER RUNOFF PATTERN WOULD RESULT.

E. OSC P. YOUNIS DEMOED THIS DATE. OSC TO REMAIN IN CONTACT WITH EPA/FAS P. CURTIN FOR SITE DURATION.

F. EIGHT (8) LOADS OF RIPRAP AND FOURTEEN (14) LOADS OF FINES WERE BROUGHT TO SITE THIS DATE.

III. FUTURE PLANS

A. CONTINUE CONSTRUCTING FLOOD CONTROL AROUND ARBUCKLE CREEK.

B. COMPLETE CONSTRUCTION OF DRAINAGE DITCH SATURDAY 12/19/87.

C. CONTINUE WITH GRADING OF PROPERTY AND SPREADING AND PACKING OF NEW ROAD SURFACE.

PHILLIP C. YOUNIS, OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100549

To: EPA5511
To: EPA9374
From: T.MASSEY (EPA9374) Delivered: Sun 20-Dec-87 11:34 EST Sys 163 (58)
Subject: POLREP 180 SHAFFER EQUIPMENT SITE
Mail Id: IPM-163-871220-104100428

POLREP #180 - SHAFFER EQUIPMENT SITE
MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON AND TIM FIELDS

I. SITUATION (12/19/87) - 1800 HOURS)

A. CONSTRUCTION OF DIKE AROUND ARBUCKLE CREEK COMPLETE.

B. PERSONNEL ON SCENE:

EPA	-	1	TAT	-	1
ERCS	-	3	EXCAVATING SUBCONTRACTORS	-	2

C. ESTIMATED COSTS TO DATE:

	COST TO DATE	CEILING
EPA	\$16,550.00	18K
TAT	\$32,900.00	47K
ERCS	1,627,700.00	2,065K
TOTAL	1,677,150.00	

D. WEATHER: CLOUDY, COOL, HIGH 42.

II. ACTIONS TAKEN

A. CONSTRUCTION OF DIKE COMPLETED THIS DATE. VOID FILL FINES HAULED FROM BECKLEY QUARRY WERE PACKED ON THE CONSTRUCTED RIPRAP DIKE.

B. TWO INCH STONE BROUGHT IN THIS DATE TO BE USED ON SHAFFER DRIVE WAY.

C. ERCS PLACED 24 FEET OF 18" CORRUGATED STEEL PIPE UNDER THE ACCESS ROAD IN DRAINAGE DITCH.

D. ERCS SUBCONTRACTOR JR. HUMPHREY'S CONTINUED FINAL SITE GRADE.

E. PROPERTY OWNER, ANNA SHAFFER ONSITE THIS DATE. MRS. SHAFFER STATED THAT SHE WAS VERY SATISFIED WITH FINAL SITE RESTORATION.

III. FUTURE PLANS

A. COMPLETE FINAL SITE GRADING SUNDAY 12/20/87.

B. ALL PERSONNEL/EQUIPMENT TO DEMOBILIZE SUNDAY 12/20/87.

PHILLIP C. YOUNIS, OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100550

100551

To: EPA9340
From: T.MASSEY (EPA9374) Delivered: Tue 9-Feb-88 14:04 EST Sys 163 (46)
Subject: 182 (FINAL) Shaffer
Mail Id: IPM-163-880209-126640180

POLREP #182 - SHAFFER EQUIPMENT SITE
(FINAL) MINDEN, FAYETTE COUNTY, WV

ATTN: BOB CARON, STEVE JARVELA AND TIM FIELDS

I. SITUATION (2/9/88 - 1500 HOURS)

A. ALL EMERGENCY REMOVAL ACTIVITIES AT THIS SITE COMPLETED AS OF 12/20/87.

B. 4,735 TONS (213 TRUCK LOADS) OF PCB CONTAMINATED SOIL PROPERLY MANIFESTED AND TRANSPORTED TO CHEM WASTE MANAGEMENT, EMELLE, AL FOR FINAL DISPOSAL. ALL MANIFESTS RECEIVED.

C. FINAL ESTIMATED COSTS TO DATE:

EPA\$ 16,689.71
TAT.....\$ 33,545.00
ERCS.....\$1,653,952.46

TOTAL COST..\$1,704,187.46*

CEILING\$2,130,000.00*

* T&D PHASE ONLY

II. ACTIONS TAKEN

A. SR. OSC CONTACTED CONTRACTING OFFICER _____ AND ADVISED HIM OF TOTAL ESTIMATED COST TO DATE FOR THIS CERCLA REMOVAL PROJECT. THE OSC RECOMMENDED THAT THE CONTRACTING OFFICER DEOBLIGATE ALL REMAINING FUNDS UNDER DELIVERY ORDER 7445-03-007. THE CONTRACTING OFFICER SHOULD ADVISE THE OSC AND DPO WHEN FUNDS HAVE BEEN DEOBLIGATED.

III. FUTURE PLANS

A. OSC REPORT TO BE DEVELOPED WITHIN REQUIRED TIME LIMIT.

BOB CARON, SR. OSC
PAULA CURTIN, FAS
US EPA - REGION III
PHILADELPHIA, PA

100552